


STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING						FORM 3 AMENDED REPORT <input checked="" type="checkbox"/>				
APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER FD 13-30D-2-2				
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT UNDESIGNATED				
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME				
6. NAME OF OPERATOR BILL BARRETT CORP						7. OPERATOR PHONE 303 312-8134				
8. ADDRESS OF OPERATOR 1099 18th Street Ste 2300, Denver, CO, 80202						9. OPERATOR E-MAIL tfallang@billbarrettcorp.com				
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) fee			11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>				
13. NAME OF SURFACE OWNER (if box 12 = 'fee') VERNON RICHENS						14. SURFACE OWNER PHONE (if box 12 = 'fee') 435-545-2535				
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') PO BOX 722, FORT DUCHESNE, UT 84026						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')				
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input checked="" type="checkbox"/> (Submit Commingling Application) NO <input type="checkbox"/>			19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>				
20. LOCATION OF WELL		FOOTAGES		QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN		
LOCATION AT SURFACE		450 FSL 1380 FWL		SESW	30	2.0 S	2.0 E	U		
Top of Uppermost Producing Zone		810 FSL 810 FWL		SWSW	30	2.0 S	2.0 E	U		
At Total Depth		810 FSL 810 FWL		SWSW	30	2.0 S	2.0 E	U		
21. COUNTY UINTAH			22. DISTANCE TO NEAREST LEASE LINE (Feet) 810			23. NUMBER OF ACRES IN DRILLING UNIT 640				
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1854			26. PROPOSED DEPTH MD: 9872 TVD: 9782				
27. ELEVATION - GROUND LEVEL 5009			28. BOND NUMBER LPM4138148			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 49-1645				
Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
COND	26	16	0 - 80	65.0	Unknown	8.7	No Used	0	0.0	0.0
SURF	12.25	9.625	0 - 3800	36.0	J-55 LT&C	8.7	Halliburton Light , Type Unknown	590	3.16	11.0
							Halliburton Premium , Type Unknown	210	1.36	14.8
PROD	7.875	5.5	0 - 9872	17.0	P-110 LT&C	9.5	Unknown	550	2.31	11.0
							Unknown	330	1.42	13.5
ATTACHMENTS										
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
NAME Brady Riley				TITLE Permit Analyst			PHONE 303 312-8115			
SIGNATURE				DATE 10/31/2013			EMAIL briley@billbarrettcorp.com			
API NUMBER ASSIGNED 43047541070000				APPROVAL  Permit Manager						

BILL BARRETT CORPORATION

DRILLING PLAN

FD 13-30D-2-2

SESW, 450' FSL and 1380' FWL, Section 30, T2S-R2E, USB&M (surface hole)

SWSW, 810' FSL and 810' FWL, Section 30, T2S-R2E, USB&M (bottom hole)

Uintah County, Utah

1 - 2. Estimated Tops of Geological Markers and Formations Expected to Contain Water, Oil and Gas and Other Minerals

<u>Formation</u>	<u>Depth – MD</u>	<u>Depth - TVD</u>
Green River	5,594'	5,539'
Mahogany	6,779'	6,689'
Lower Green River*	7,902'	7,812'
Douglas Creek	8,086'	7,996'
Black Shale	8,615'	8,525'
Castle Peak	8,711'	8,621'
Wasatch*	9,372'	9,282'
TD	9,872'	9,782'

*PROSPECTIVE PAY

The Wasatch and the Lower Green River are primary objectives for oil/gas.

Base of Useable Water = 3,842'

3. BOP and Pressure Containment Data

<u>Depth Intervals</u>	<u>BOP Equipment</u>
0 – 3800'	Rotating Head or Diverter (may pre-set 9-5/8" with smaller rig)
3800' – TD	11" 5000# Ram Type BOP 11" 5000# Annular BOP
- Drilling spool to accommodate choke and kill lines;	
- Ancillary equipment and choke manifold rated at 5,000 psi. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2;	
- The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests.	
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up To operate most efficiently in this manner.	

*See Appendix A

4. Casing Program

<u>Hole Size</u>	<u>SETTING DEPTH</u>		<u>Casing Size</u>	<u>Casing Weight</u>	<u>Casing Grade</u>	<u>Thread</u>	<u>Condition</u>
	<u>(FROM)</u>	<u>(TO)</u>					
26"	Surface	80'	16"	65#			
12 1/4"	Surface	3800'	9 5/8"	36#	J or K 55	LT&C	New
7 7/8"	Surface	TD	5 1/2"	17#	P-110	LT&C	New

Bill Barrett Corporation
Drilling Program
FD 13-30D-2-2
Uintah County, Utah

5. Cementing Program

16" Conductor Casing	Grout
9 5/8" Surface Casing (may pre-set with spudder rig)	Lead: 590 sx Halliburton Light Premium with additives mixed at 11.0 ppg (yield = 3.16 ft ³ /sx) circulated to surface with 75% excess. TOC @ Surface Tail: 210 sx Halliburton Premium Plus cement with additives mixed at 14.8 ppg (yield = 1.36 ft ³ /sx), calculated hole volume with 75% excess. TOC @ 3300'
5 1/2" Production Casing	Lead: 550 sx Tuned Light cement with additives mixed at 11.0 ppg (yield = 2.31 ft ³ /sx). TOC @ 3300' Tail: 330 sx Halliburton Econocem cement with additives mixed at 13.5 ppg (yield = 1.42 ft ³ /sx). Top of cement to be determined by log and sample evaluation; estimated TOC @ 8115'

6. Mud Program

<u>Interval</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss (API filtrate)</u>	<u>Remarks</u>
0' – 3800'	8.3 – 8.7	26 – 36	NC	Air/Mist/Freshwater Spud Mud Fluid System
3800' - 5500'	9.2 - 9.4	26 – 36	NC	Freshwater Spud Mud Fluid System
5500' – TD	9.4 - 9.5	42 – 58	25 cc or less	DAP Polymer Fluid System
Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag.				

7. Testing, Logging and Core Programs

Cores	None anticipated;
Testing	None anticipated; drill stem tests may be run on shows of interest;
Sampling	30' to 50' samples; surface casing to TD. Preserve samples all show intervals;
Surveys	MWD as needed to land wellbore;
Logging	DIL-GR-SP, FDC-CNL-GR-CALIPER-Pe-Microlog, Sonic-GR (all TD to surface). FMI & Sonic Scanner to be run at geologist's discretion.

8. Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 4877 psi* and maximum anticipated surface pressure equals approximately 2705 psi** (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

*Max Mud Wt x 0.052 x TD = A (bottom hole pressure)

**Maximum surface pressure = A – (0.22 x TD)

Bill Barrett Corporation
Drilling Program
FD 13-30D-2-2
Uintah County, Utah

9. Auxiliary Equipment

- a) Upper kelly cock; lower Kelly cock will be installed while drilling
 - b) Inside BOP or stab-in valve (available on rig floor)
 - c) Safety valve(s) and subs to fit all string connections in use
- Mud monitoring will be visually observed

10. Location and Type of Water Supply

Water for the drilling and completion will be from:

43-2505, (t37379): McKinnon Ranch Properties, LC
43-12345 (F78949): Dale Anderson
43-10664 (A38472): W. E. Gene Brown
49-1645 (A35800): RN Industries, Inc.
49-2336 (t78808): RN Industries, Inc.
43-8496 (A53617): A-1 Tank Rental
43-10288 (A65273): Nile Chapman (RNI)
49-2247 (F76893): Magnum Water Service
43-8875 (t38762): Four Star Ranch (c/o David Yeman)

11. Drilling Schedule

Location Construction: March 2014
Spud: March 2014
Duration: 15 days drilling time
6 days completion time

12. Appendix A

9-5/8" casing may be preset with a spudder rig. If this occurs, the following equipment shall be in place and operational during air/gas drilling:

- Properly lubricated and maintained rotating head
- Spark arresters on engines or water cooled exhaust
- Blooie line discharge 100 feet from well bore and securely anchored
- Straight run on blooie line unless otherwise approved
- Deduster equipment
- All cuttings and circulating medium shall be directed into a reserve or blooie pit
- Float valve above bit
- Automatic igniter or continuous pilot light on the blooie line
- Compressors located in the opposite direction from the blooie line on the rig
- Mud circulating equipment, water, and mud materials (does not have to be premixed) sufficient to maintain the capacity of the hole and circulating tanks or pits



Bill Barrett Corporation

FORT DUCHESNE CEMENT VOLUMES

Well Name: FD 13-30D-2-2

Surface Hole Data:

Total Depth:	3,800'
Top of Cement:	0'
OD of Hole:	12.250"
OD of Casing:	9.625"

Calculated Data:

Lead Volume:	1808.6	ft ³
Lead Fill:	3,300'	
Tail Volume:	274.0	ft ³
Tail Fill:	500'	

Cement Data:

Lead Yield:	3.16	ft ³ /sk
% Excess:	75%	
Top of Lead:	0'	

Calculated # of Sacks:

# SK's Lead:	590
--------------	-----

Tail Yield:	1.36	ft ³ /sk
% Excess:	75%	
Top of Tail:	3,300'	

# SK's Tail:	210
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Production Hole Data:

Total Depth:	9,872'
Top of Cement:	3,300'
Top of Tail:	8,115'
OD of Hole:	7.875"
OD of Casing:	5.500"

Calculated Data:

Lead Volume:	1251.3	ft ³
Lead Fill:	4,815'	
Tail Volume:	456.7	ft ³
Tail Fill:	1,757'	

Cement Data:

Lead Yield:	2.31	ft ³ /sk
Tail Yield:	1.42	ft ³ /sk
% Excess:	50%	

Calculated # of Sacks:

# SK's Lead:	550
# SK's Tail:	330

FD 13-30D-2-2 Proposed Cementing Program

<u>Job Recommendation</u>	<u>Surface Casing</u>
Lead Cement - (3300' - 0')	
Halliburton Light Premium	Fluid Weight: 11.0 lbm/gal
5.0 lbm/sk Silicalite Compacted	Slurry Yield: 3.16 ft ³ /sk
0.25 lbm/sk Kwik Seal	Total Mixing Fluid: 19.48 Gal/sk
0.125 lbm/sk Poly-E-Flake	Top of Fluid: 0'
2.0% Bentonite	Calculated Fill: 3,300'
	Volume: 322.11 bbl
	Proposed Sacks: 590 sks
Tail Cement - (TD - 3300')	
Premium Cement	Fluid Weight: 14.8 lbm/gal
2.0% Calcium Chloride	Slurry Yield: 1.36 ft ³ /sk
	Total Mixing Fluid: 6.37 Gal/sk
	Top of Fluid: 3,300'
	Calculated Fill: 500'
	Volume: 48.80 bbl
	Proposed Sacks: 210 sks

<u>Job Recommendation</u>	<u>Production Casing</u>
Lead Cement - (8115' - 3300')	
Tuned Light™ System	Fluid Weight: 11.0 lbm/gal
	Slurry Yield: 2.31 ft ³ /sk
	Total Mixing Fluid: 10.65 Gal/sk
	Top of Fluid: 3,300'
	Calculated Fill: 4,815'
	Volume: 222.85 bbl
	Proposed Sacks: 550 sks
Tail Cement - (9872' - 8115')	
Econocem™ System	Fluid Weight: 13.5 lbm/gal
0.125 lbm/sk Poly-E-Flake	Slurry Yield: 1.42 ft ³ /sk
1.0 lbm/sk Granulite TR 1/4	Total Mixing Fluid: 6.61 Gal/sk
	Top of Fluid: 8,115'
	Calculated Fill: 1,757'
	Volume: 81.33 bbl
	Proposed Sacks: 330 sks

PRESSURE CONTROL EQUIPMENT – Schematic Attached

A. Type: Eleven (11) Inch Double Gate Hydraulic BOP with Eleven (11) Inch Annular Preventer. The blow out preventer will be equipped as follows:

1. One (1) blind ram (above).
2. One (1) pipe ram (below).
3. Drilling spool with two (2) side outlets (choke side 3-inch minimum, kill side 2-inch minimum).
4. 3-inch diameter choke line.
5. Two (2) choke line valves (3-inch minimum).
6. Kill line (2-inch minimum).
7. Two (2) chokes with one (1) remotely controlled from the rig floor.
8. Two (2) kill line valves, and a check valve (2-inch minimum).
9. Upper and lower kelly cock valves with handles available.
10. Safety valve(s) & subs to fit all drill string connections in use.
11. Inside BOP or float sub available.
12. Pressure gauge on choke manifold.
13. Fill-up line above the uppermost preventer.

B. Pressure Rating: 5,000 psi

C. Testing Procedure:

Annular Preventer

At a minimum, the Annular Preventer will be pressure tested to 50% of the rated working pressure for a period of ten (10) minutes or until provisions of the test are met, whichever is longer.

At a minimum the above pressure test will be performed:

1. When the annular preventer is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition, the Annular Preventer will be functionally operated at least weekly.

Blow-Out Preventer

At a minimum, the BOP, choke manifold, and related equipment will be pressure tested to the approved working pressure of the BOP stack (if isolated from the surface casing by a test plug) or to 70% of the internal yield strength of the surface casing (if the BOP is not isolated from the casing by a test plug). Pressure will be

maintained for a period of at least ten (10) minutes or until the requirements of the test are met, whichever is longer.

At a minimum, the above pressure test will be performed:

1. When the BOP is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition the pipe and blind rams will be activated each trip, but not more than once each day. All BOP drills and tests will be recorded in the IADC driller's log.

D. Choke Manifold Equipment:

All choke lines will be straight lines unless turns use tee blocks or are targeted with running tees, and will be anchored to prevent whip and vibration.

E. Accumulator:

The accumulator will have sufficient capacity to open the hydraulically-controlled choke line valve (if so equipped), close all rams plus the annular preventer, and retain a minimum of 200 psi above precharge on the closing manifold without the use of closing unit pumps. The fluid reservoir capacity will be double the usable fluid volume of the accumulator system capacity and the fluid level of the reservoir will be maintained at the manufacturer's recommendations.

The BOP system will have two (2) independent power sources to close the preventers. Nitrogen bottles (3 minimum) will be one (1) of these independent power sources and will maintain a charge equal to the manufacturer's specifications.

The accumulator precharge pressure test will be conducted prior to connecting the closing unit to the BOP stack and at least once every six (6) months thereafter. The accumulator pressure will be corrected if the measured precharge pressure is found to be above or below the maximum or minimum limits specified in the *Onshore Oil & Gas Order Number 2*.

A manual locking device (i.e. hand wheels) or automatic locking device will be installed on all systems of 2M or greater. A valve will be installed in the closing line as close as possible to the annular preventer to act as a locking device. This valve will be maintained in the open position and will be closed only when the power source for the accumulator is inoperative.

Remote controls shall be readily accessible to the driller. Remote controls for all 3M or greater systems will be capable of closing all preventers. Remote controls for 5M or greater systems will be capable of both opening and closing all preventers. Master controls will be at the accumulator and will be capable of opening and closing all preventers and the choke line valve (if so equipped).

F. Miscellaneous Information:

The Blow-Out Preventer and related pressure control equipment will be installed, tested and maintained in compliance with the specifications in and requirements of *Onshore Oil & Gas Order Number 2*. The hydraulic BOP closing unit will be located at least twenty-five (25) feet from the well head but readily accessible to the driller. Exact locations and configurations of the hydraulic BOP closing unit will depend upon the particular rig contracted to drill this hole.

A flare line will be installed after the choke manifold, extending 125 feet (minimum) from the center of the drill hole to a separate flare pit.

CONFIDENTIAL

$S00^{\circ}34'15''E - 2641.93'$ (Meas.)

$S00^{\circ}07'32''E - 2642.57'$ (Meas.)

5285.14' (Meas.)
S00°07'32"E

E 589°55'18"W - 2501.43' (Meas.)

$S89^{\circ}55'40''W - 2662.90'$ (Meas.) Alum. Cap

*Alum. Cap
in Paved
Road*

Rebar

LOT 1

LOT 2

*Set Stone,
Mound of Stones*

LOT 3

LOT 4

Target Bottom Hole

FD #13-30D-2-2

Elev. Ungraded Ground = 5009'

Corner Re-Established
By Single Proportion
Method,
(Not Set On Ground.)

N89°19'01"E - 5162.16' (Meas.)

*Set Marked Stone,
Small Stones*

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S58°15'02"E	671.27'

NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 40°16'30.61" (40.275169)	LATITUDE = 40°16'27.13" (40.274203)
LONGITUDE = 109°49'06.47" (109.818464)	LONGITUDE = 109°48'59.10" (109.816417)
NAD 27 (TARGET BOTTOM HOLE)	NAD 27 (SURFACE LOCATION)
LATITUDE = 40°16'30.76" (40.275211)	LATITUDE = 40°16'27.28" (40.274244)
LONGITUDE = 109°49'03.95" (109.817764)	LONGITUDE = 109°48'56.58" (109.815717)





SW Cor. Sec. 31
Pipe in Mound
of Stones

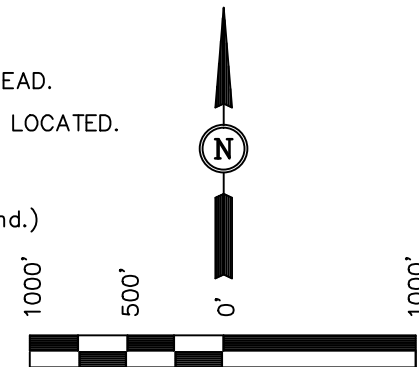
Well location, FD #13-30D-2-2, located as shown in the SE 1/4 SW 1/4 of Section 30, T2S, R2E, U.S.B.&M., Uintah County, Utah.

BENCH MARK (38EAM) LOCATED IN THE SW 1/4 OF SECTION 9, T7S, R20E, S.L.B.&M. TAKEN FROM THE PELICAN LAKE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4942 FEET.

LEGEND:

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

-  = 90° SYMBOL
 = PROPOSED WELL HEAD.
 = SECTION CORNERS LOCATED.
 = SECTION CORNERS
 RE-ESTABLISHED.
 (Not Set on Ground.)



SCALE CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PART WAS PREPARED FROM
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078

(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 08-12-13	DATE DRAWN: 08-19-13
PARTY C.R. C.I. K.O.	REFERENCES G.L.O. PLAT	
WEATHER HOT	FILE BILL BARRETT CORPORATION	

RECEIVED: October 31, 2013

BILL BARRETT CORPORATION

FD #13-30D-2-2

**LOCATED IN UINTAH COUNTY, UTAH
SECTION 30, T2S, R2E, U.S.B.&M.**

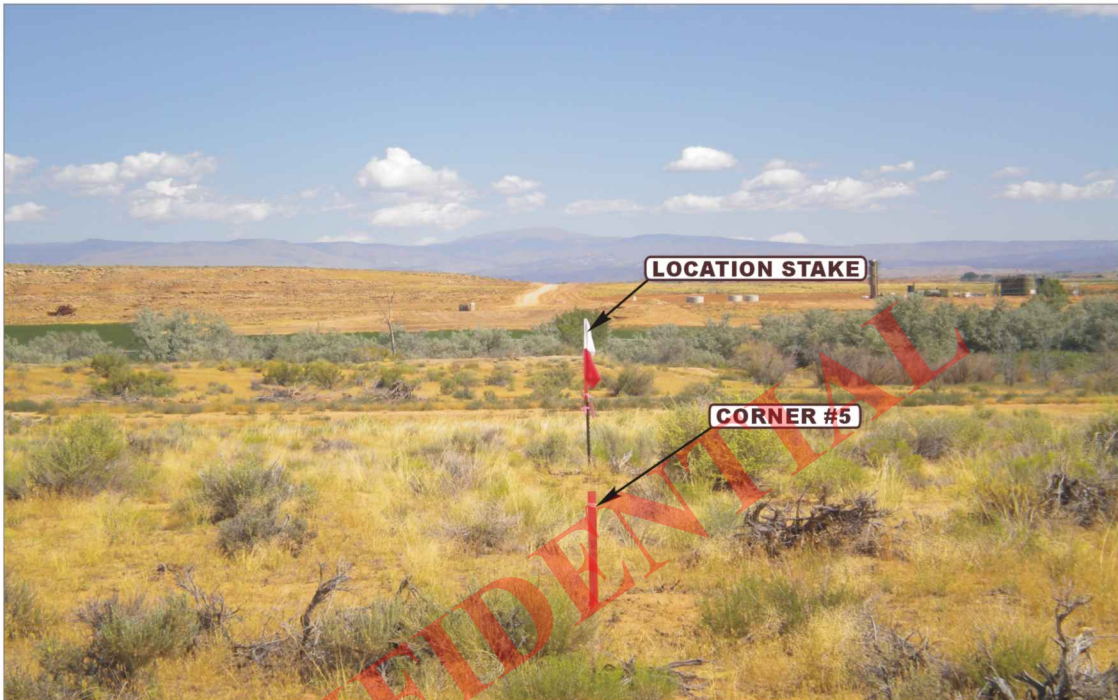


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: WESTERLY



- Since 1964 -

U&E Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

LOCATION PHOTOS

08 **14** **13**
MONTH DAY YEAR

PHOTO

TAKEN BY: C.R.

DRAWN BY: S.O.

REVISED: 00-00-00

BILL BARRETT CORPORATION

LOCATION LAYOUT FOR

FD #13-30D-2-2

SECTION 30, T2S, R2E, U.S.B.&M.

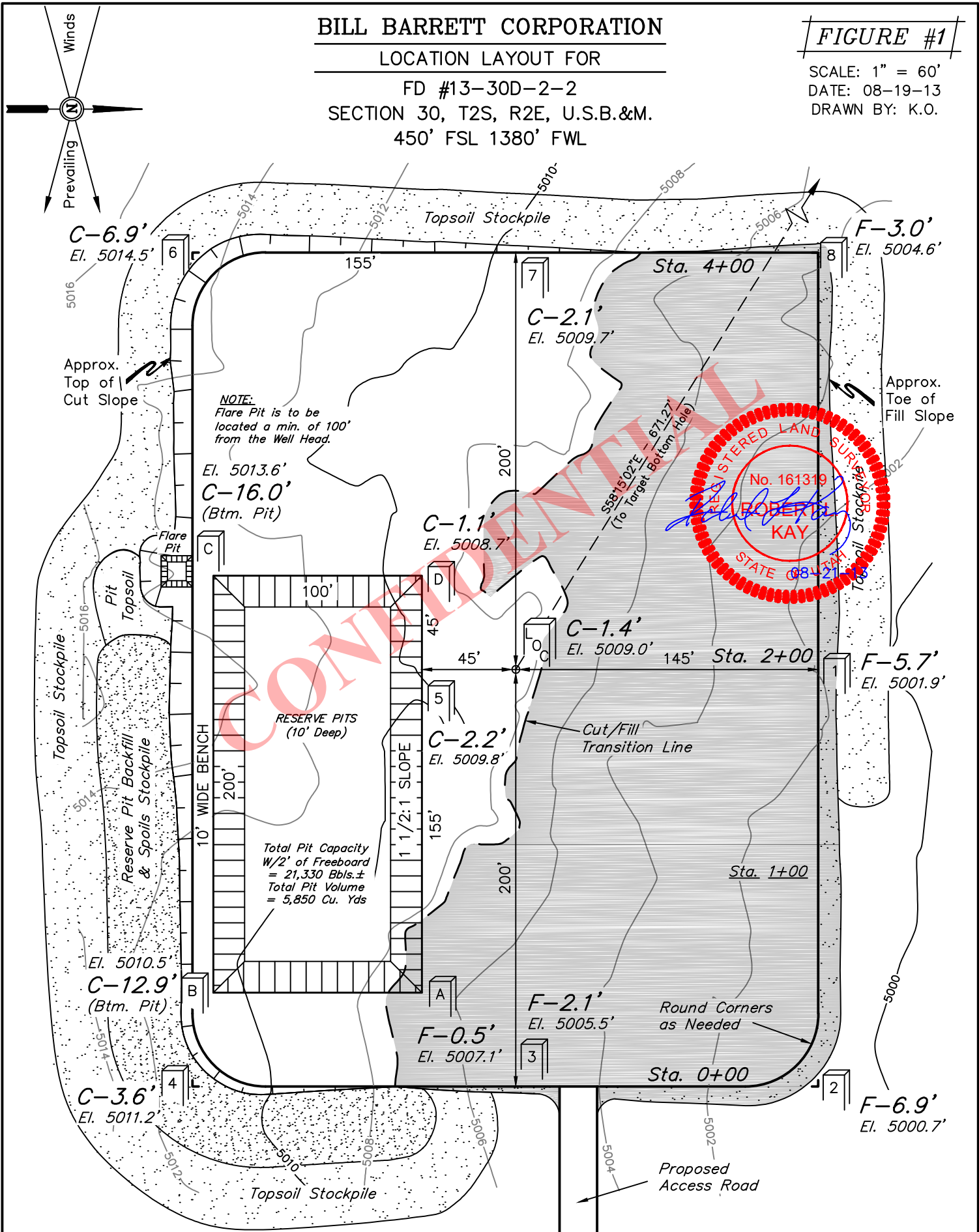
450' FSL 1380' FWL

FIGURE #1

SCALE: 1" = 60'

DATE: 08-19-13

DRAWN BY: K.O.



RECEIVED: October 31, 2013

BILL BARRETT CORPORATION**TYPICAL CROSS SECTIONS FOR**

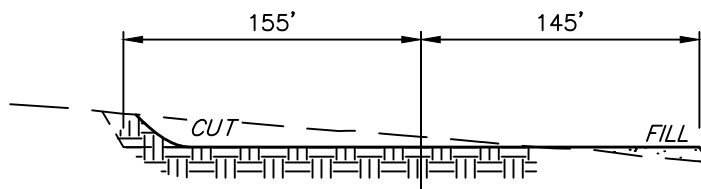
FD #13-30D-2-2

SECTION 30, T2S, R2E, U.S.B.&M.

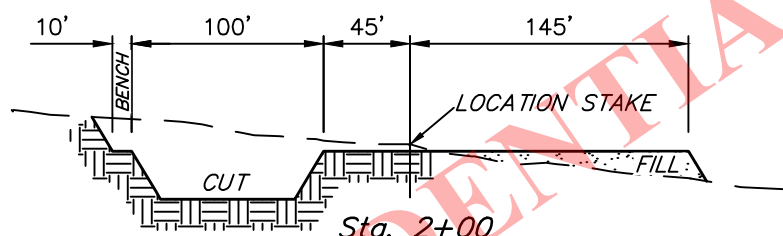
450' FSL 1380' FWL

FIGURE #2

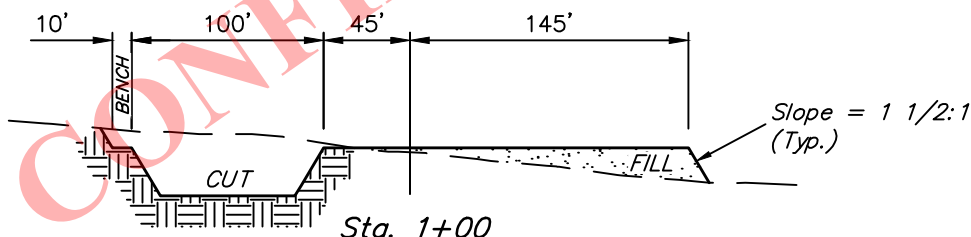
1" = 40'
X-Section
Scale
1" = 100'
DATE: 08-19-13
DRAWN BY: K.O.



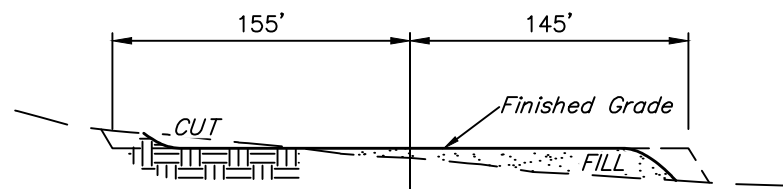
Sta. 4+00



Sta. 2+00



Sta. 1+00



Sta. 0+00

NOTE:

Topsoil should not be
Stripped Below Finished
Grade on Substructure Area.

APPROXIMATE ACREAGE

WELL SITE DISTURBANCE = ± 5.236 ACRES
ACCESS ROAD DISTURBANCE = ± 0.114 ACRES
PIPELINE DISTURBANCE = ± 0.482 ACRES
TOTAL = ± 5.832 ACRES

*** NOTE:**

FILL QUANTITY INCLUDES
5% FOR COMPACTION

APPROXIMATE YARDAGES

(6") Topsoil Stripping = 2,390 Cu. Yds.
Remaining Location = 11,530 Cu. Yds.
TOTAL CUT = 13,920 CU. YDS.
FILL = 8,600 CU. YDS.

EXCESS MATERIAL = 5,320 Cu. Yds.
Topsoil & Pit Backfill = 5,320 Cu. Yds.
(1/2 Pit Vol.)
EXCESS UNBALANCE = 0 Cu. Yds.
(After Interim Rehabilitation)

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

RECEIVED: October 31, 2013

BILL BARRETT CORPORATION**TYPICAL RIG LAYOUT FOR**

FD #13-30D-2-2

SECTION 30, T2S, R2E, U.S.B.&M.

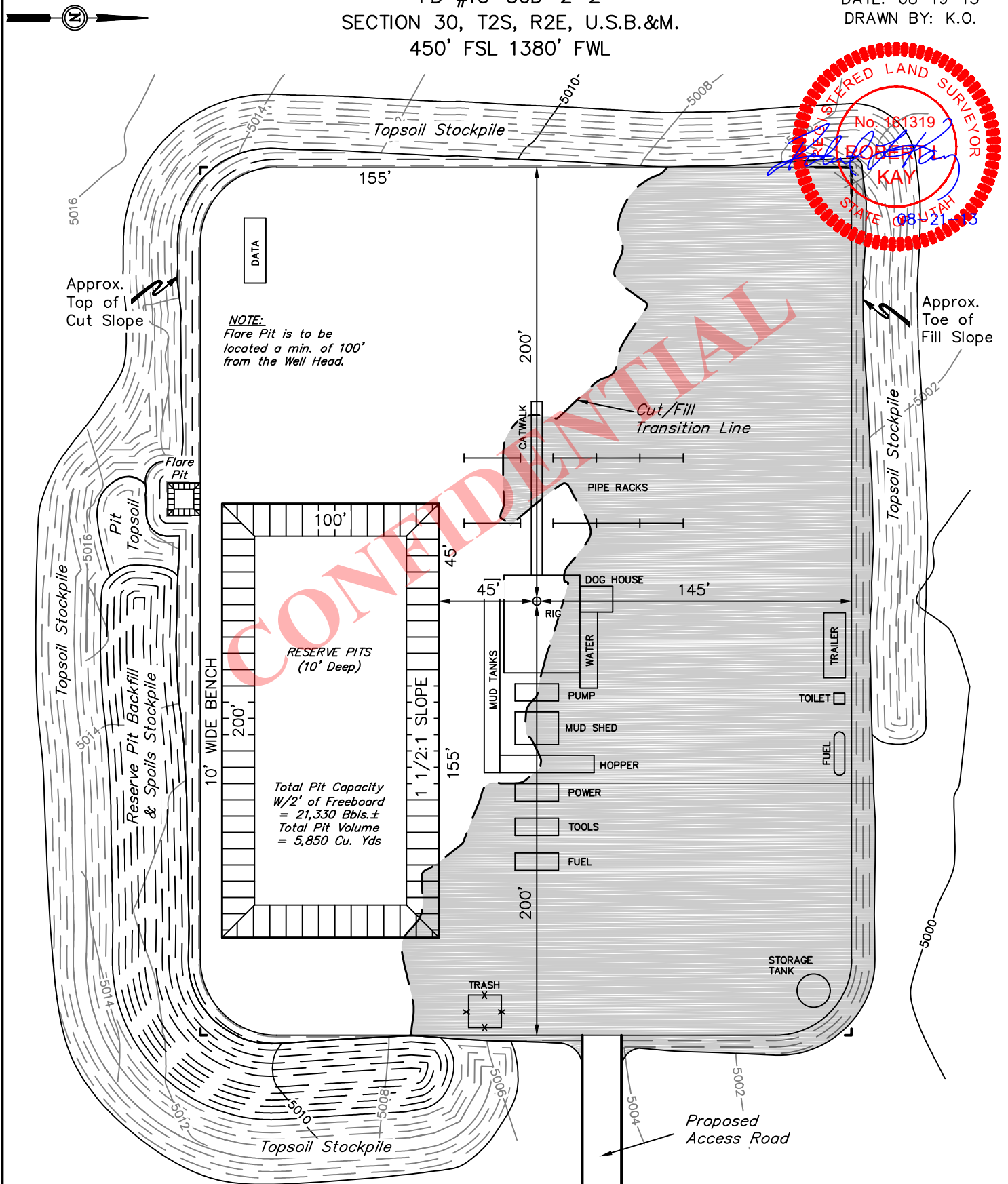
450' FSL 1380' FWL

FIGURE #3

SCALE: 1" = 60'

DATE: 08-19-13

DRAWN BY: K.O.

**UINTAH ENGINEERING & LAND SURVEYING**

85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

RECEIVED: October 31, 2013

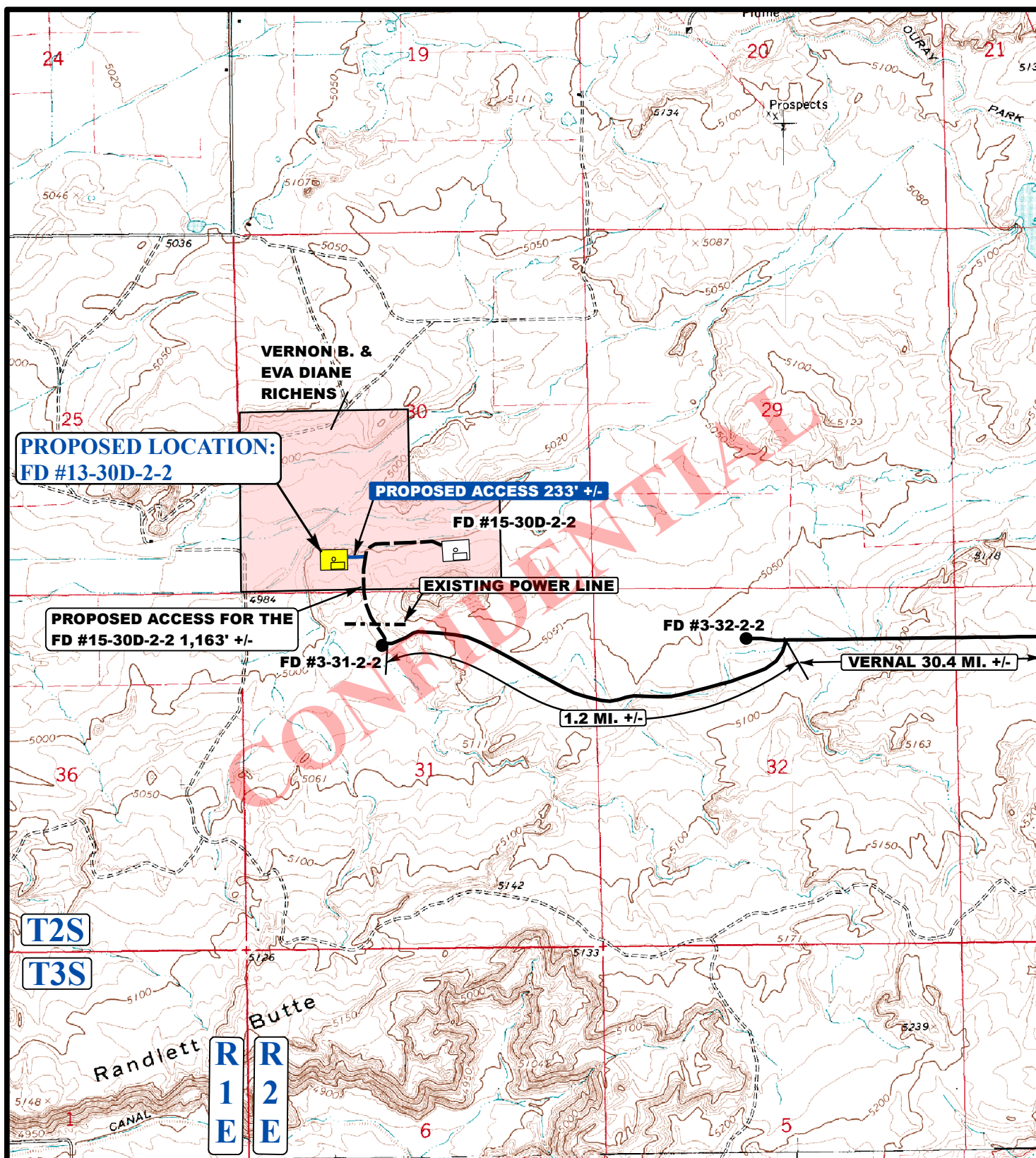
BILL BARRETT CORPORATION
FD #13-30D-2-2
SECTION 30, T2S, R2E, U.S.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF THIS ROAD AND STATE HIGHWAY 88 TO THE SOUTH; TURN LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 7.0 MILES TO THE JUNCTION OF THIS ROAD AND 5500 S. TO THE NORTHWEST; TURN RIGHT AND PROCEED IN A NORTHWESTERLY, THEN WESTERLY, THEN NORTHWESTERLY DIRECTION APPROXIMATELY 3.7 MILES TO THE JUNCTION OF THIS ROAD AND PARRISH RANCH ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY, THEN NORTHERLY, THEN NORTHWESTERLY DIRECTION APPROXIMATELY 4.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN LEFT AND PROCEED IN A WESTERLY DIRECTION APPROXIMATELY 1.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN LEFT AND PROCEED IN A SOUTHERLY, THEN WESTERLY DIRECTION APPROXIMATELY 1.2 MILES TO THE EXISTING FD #3-31-2-2 AND THE BEGINNING OF THE PROPOSED ACCESS FOR THE FD #15-30D-2-2 TO THE NORTH; FOLLOW ROAD FLAGS IN A NORTHERLY DIRECTION APPROXIMATELY 1,163' TO THE BEGINNING OF THE PROPOSED ACCESS TO THE WEST; FOLLOW ROAD FLAGS IN A WESTERLY DIRECTION APPROXIMATELY 233' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 31.9 MILES.

**U
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S** Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

ACCESS ROAD MAP			08 MONTH	15 DAY	13 YEAR	
SCALE: 1:100,000	DRAWN BY: S.O.	REVISED: 00-00-00				

**LEGEND:**

————— EXISTING ROADS
 - - - - - PROPOSED ACCESS ROAD

BILL BARRETT CORPORATION

FD #13-30D-2-2
SECTION 30, T2S, R2E, U.S.B.&M.
450' FSL 1380' FWL



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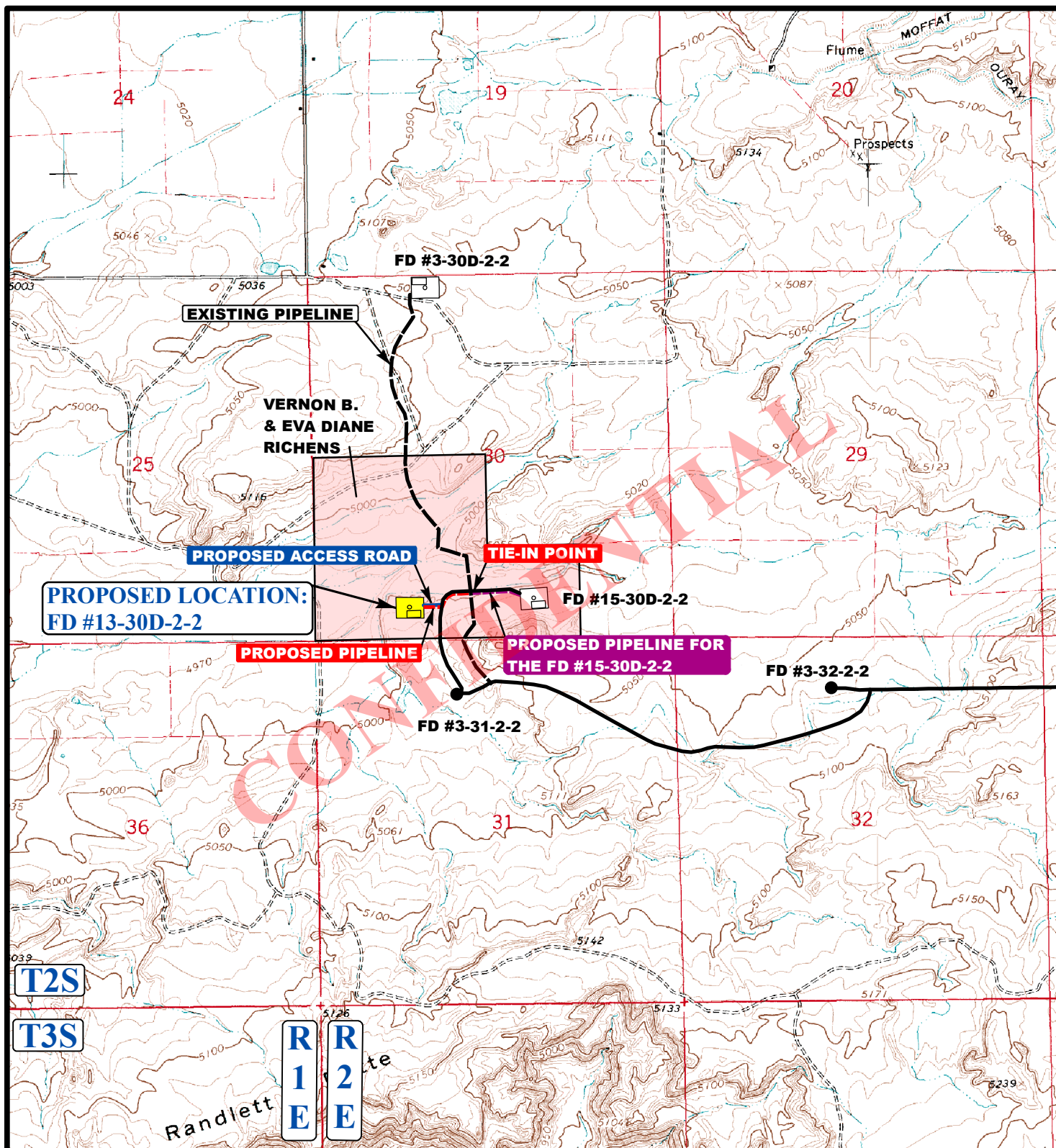


ACCESS ROAD
MAP

08 **15** **13**
 MONTH DAY YEAR

SCALE: 1"=2000' DRAWN BY: S.O. REVISED: 00-00-00





APPROXIMATE TOTAL PIPELINE DISTANCE = 778' +/-

LEGEND:

	EXISTING ROADS
	PROPOSED ACCESS ROAD
	EXISTING PIPELINE
	PROPOSED PIPELINE
	PROPOSED PIPELINE (SERVICING OTHER WELLS)

BILL BARRETT CORPORATION

FD #13-30D-2-2
SECTION 30, T2S, R2E, U.S.B.&M.
450' FSL 1380' FWL



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TOPOGRAPHIC
MAP

SCALE: 1"=2000'

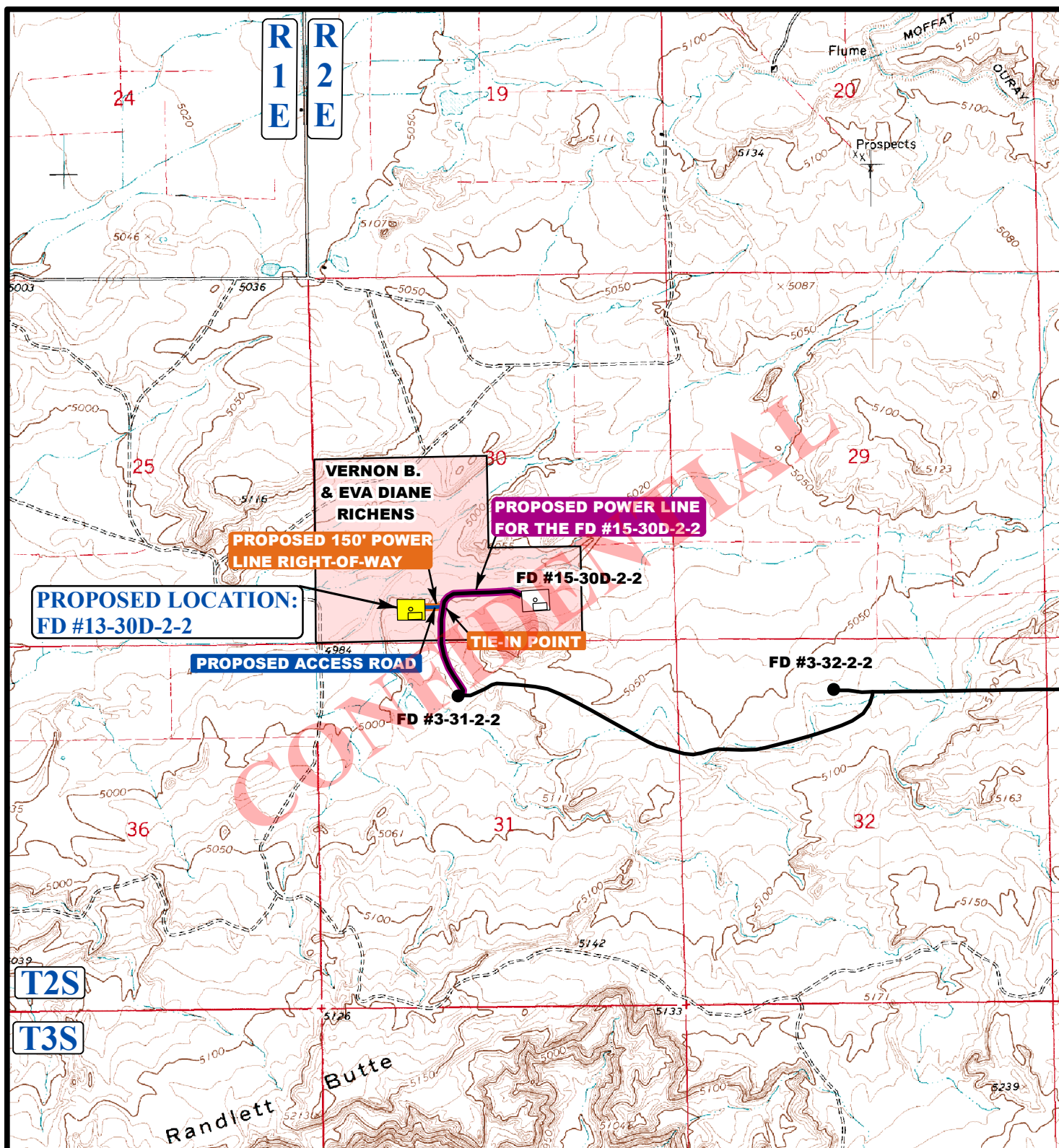
DRAWN BY: S.O.

08 **14** **13**
 MONTH DAY YEAR

REVISED: 00-00-00



RECEIVED: October 31, 2013



APPROXIMATE TOTAL POWER LINE DISTANCE 233' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- - - - - EXISTING POWER LINE
- PROPOSED POWER LINE
- PROPOSED POWER LINE (SERVICING OTHER WELLS)

BILL BARRETT CORPORATION

FD #13-30D-2-2
SECTION 30, T2S, R2E, U.S.B.&M.
450' FSL 1380' FWL



Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
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TOPOGRAPHIC
MAP

SCALE: 1"=2000'

DRAWN BY: S.O.

08 15 13
 MONTH DAY YEAR

REVISED: 00-00-00



RECEIVED: October 31, 2013

BILL BARRETT CORP

UINTAH COUNTY

13-30D-2-2 FD

13-30D-2-2 FD

Wellbore #1

Plan: Design #1

Standard Planning Report

30 October, 2013



Bill Barrett Corporation

SITE DETAILS: 13-30D-2-2 FD
Fort DuchesneSite Latitude: 40° 16' 27.278 N
Site Longitude: 109° 48' 56.581 W**COMPANY DETAILS: BILL BARRETT CORP**

Calculation Method: Minimum Curvature
 Error System: ISCWSA
 Scan Method: Closest Approach 3D
 Error Surface: Elliptical Conic
 Warning Method: Error Ratio

Positional Uncertainty: 0.0
 Convergence: 1.11
 Local North: True

WELL DETAILS: 13-30D-2-2 FD

Ground Level: 5008.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	-16973.02	2470011.02	40° 16' 27.278 N	109° 48' 56.581 W	

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
13-30D-2-2 FD BTV	7000.0	352.3	-571.3	40° 16' 30.760 N	109° 49' 3.950 W	Rectangle (Sides: L200.0 W200.0)
13-30D-2-2 FD PBHL	9782.0	352.3	-571.3	40° 16' 30.760 N	109° 49' 3.950 W	Rectangle (Sides: L200.0 W200.0)

SECTION DETAILS

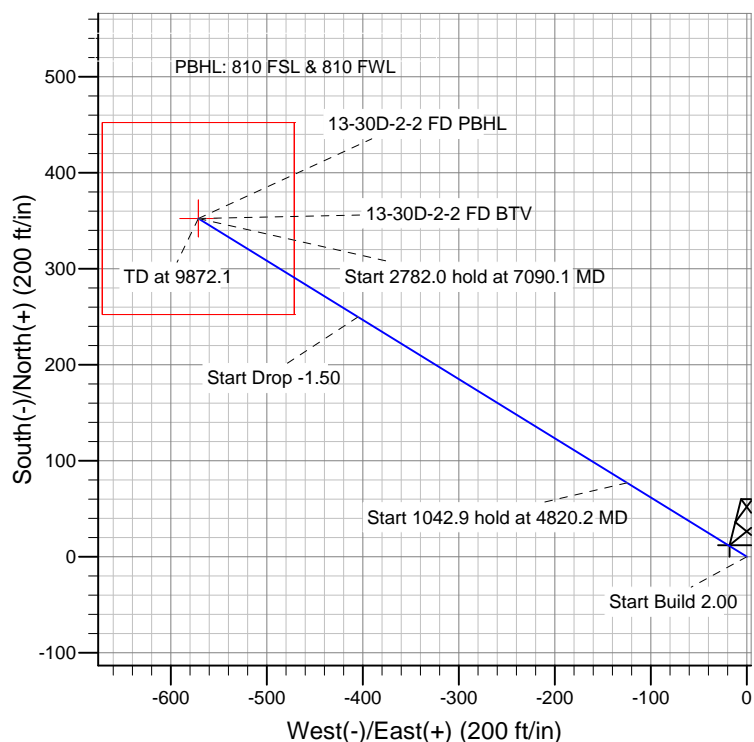
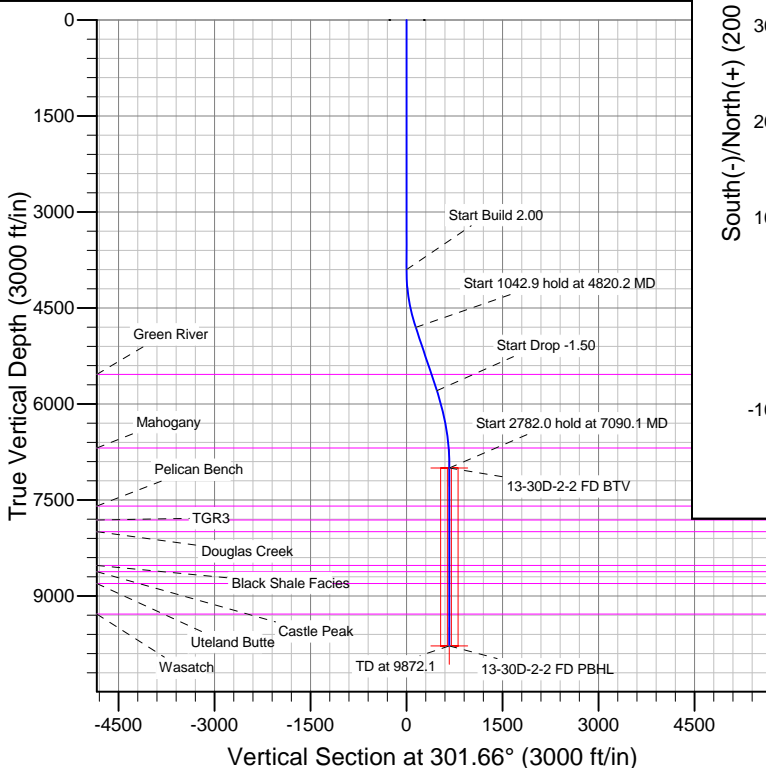
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	3900.0	0.00	0.00	3900.0	0.0	0.0	0.00	0.00	0.0	
3	4820.2	18.40	301.66	4804.5	76.9	-124.7	2.00	301.66	146.5	
4	5863.1	18.40	301.66	5794.0	249.8	-405.0	0.00	0.00	475.8	
5	7090.1	0.00	0.00	7000.0	352.3	-571.3	1.50	180.00	671.2	13-30D-2-2 FD BTV
6	9872.1	0.00	0.00	9782.0	352.3	-571.3	0.00	0.00	671.2	13-30D-2-2 FD PBHL

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
5539.0	5594.3	Green River
6689.0	6778.7	Mahogany
7597.0	7687.1	Pelican Bench
7812.0	7902.1	TGR3
7996.0	8086.1	Douglas Creek
8525.0	8615.1	Black Shale Facies
8621.0	8711.1	Castle Peak
8807.0	8897.1	Uteland Butte
9282.0	9372.1	Wasatch

CASING DETAILS

No casing data is available



Azimuths to True North
 Magnetic North: 10.94°

Magnetic Field
 Strength: 52196.6nT
 Dip Angle: 65.97°
 Date: 10/30/2013
 Model: IGRF2010

Bill Barrett Corp

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Site 13-30D-2-2 FD
Company:	BILL BARRETT CORP	TVD Reference:	KB @ 5023.0ft (Original Well Elev)
Project:	UINTAH COUNTY	MD Reference:	KB @ 5023.0ft (Original Well Elev)
Site:	13-30D-2-2 FD	North Reference:	True
Well:	13-30D-2-2 FD	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project	UINTAH COUNTY		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Ground Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Utah North 4301		

Site	13-30D-2-2 FD			
Site Position:		Northing:	-16,973.01 ft	Latitude: 40° 16' 27.278 N
From:	Lat/Long	Easting:	2,470,011.02 ft	Longitude: 109° 48' 56.581 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence: 1.11 °

Well	13-30D-2-2 FD			
Well Position	+N/-S	0.0 ft	Northing:	-16,973.02 ft
	+E/-W	0.0 ft	Easting:	2,470,011.02 ft
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft
			Ground Level:	5,008.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	10/30/2013	10.94	65.97	52,197

Design	Design #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	301.66

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,820.2	18.40	301.66	4,804.5	76.9	-124.7	2.00	2.00	0.00	301.66	
5,863.1	18.40	301.66	5,794.0	249.8	-405.0	0.00	0.00	0.00	0.00	
7,090.1	0.00	0.00	7,000.0	352.3	-571.3	1.50	-1.50	0.00	180.00	13-30D-2-2 FD BTV
9,872.1	0.00	0.00	9,782.0	352.3	-571.3	0.00	0.00	0.00	0.00	13-30D-2-2 FD PBHL

Bill Barrett Corp

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Site 13-30D-2-2 FD
Company:	BILL BARRETT CORP	TVD Reference:	KB @ 5023.0ft (Original Well Elev)
Project:	UINTAH COUNTY	MD Reference:	KB @ 5023.0ft (Original Well Elev)
Site:	13-30D-2-2 FD	North Reference:	True
Well:	13-30D-2-2 FD	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 2.00									
4,000.0	2.00	301.66	4,000.0	0.9	-1.5	1.7	2.00	2.00	0.00
4,100.0	4.00	301.66	4,099.8	3.7	-5.9	7.0	2.00	2.00	0.00
4,200.0	6.00	301.66	4,199.5	8.2	-13.4	15.7	2.00	2.00	0.00
4,300.0	8.00	301.66	4,298.7	14.6	-23.7	27.9	2.00	2.00	0.00
4,400.0	10.00	301.66	4,397.5	22.8	-37.0	43.5	2.00	2.00	0.00
4,500.0	12.00	301.66	4,495.6	32.9	-53.3	62.6	2.00	2.00	0.00
4,600.0	14.00	301.66	4,593.1	44.7	-72.4	85.1	2.00	2.00	0.00
4,700.0	16.00	301.66	4,689.6	58.3	-94.5	111.0	2.00	2.00	0.00
4,800.0	18.00	301.66	4,785.3	73.6	-119.3	140.2	2.00	2.00	0.00
4,820.2	18.40	301.66	4,804.5	76.9	-124.7	146.5	2.00	2.00	0.00
Start 1042.9 hold at 4820.2 MD									
4,900.0	18.40	301.66	4,880.2	90.1	-146.2	171.7	0.00	0.00	0.00
5,000.0	18.40	301.66	4,975.1	106.7	-173.0	203.3	0.00	0.00	0.00

Bill Barrett Corp

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Site 13-30D-2-2 FD
Company:	BILL BARRETT CORP	TVD Reference:	KB @ 5023.0ft (Original Well Elev)
Project:	UINTAH COUNTY	MD Reference:	KB @ 5023.0ft (Original Well Elev)
Site:	13-30D-2-2 FD	North Reference:	True
Well:	13-30D-2-2 FD	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,100.0	18.40	301.66	5,069.9	123.3	-199.9	234.9	0.00	0.00	0.00
5,200.0	18.40	301.66	5,164.8	139.9	-226.8	266.4	0.00	0.00	0.00
5,300.0	18.40	301.66	5,259.7	156.4	-253.6	298.0	0.00	0.00	0.00
5,400.0	18.40	301.66	5,354.6	173.0	-280.5	329.6	0.00	0.00	0.00
5,500.0	18.40	301.66	5,449.5	189.6	-307.4	361.2	0.00	0.00	0.00
5,594.3	18.40	301.66	5,539.0	205.2	-332.7	390.9	0.00	0.00	0.00
Green River									
5,600.0	18.40	301.66	5,544.4	206.2	-334.3	392.7	0.00	0.00	0.00
5,700.0	18.40	301.66	5,639.3	222.7	-361.1	424.3	0.00	0.00	0.00
5,800.0	18.40	301.66	5,734.1	239.3	-388.0	455.9	0.00	0.00	0.00
5,863.1	18.40	301.66	5,794.0	249.8	-405.0	475.8	0.00	0.00	0.00
Start Drop -1.50									
5,900.0	17.85	301.66	5,829.1	255.8	-414.7	487.3	1.50	-1.50	0.00
6,000.0	16.35	301.66	5,924.7	271.2	-439.8	516.7	1.50	-1.50	0.00
6,100.0	14.85	301.66	6,021.0	285.3	-462.7	543.6	1.50	-1.50	0.00
6,200.0	13.35	301.66	6,118.0	298.1	-483.4	567.9	1.50	-1.50	0.00
6,300.0	11.85	301.66	6,215.5	309.6	-502.0	589.7	1.50	-1.50	0.00
6,400.0	10.35	301.66	6,313.7	319.7	-518.3	609.0	1.50	-1.50	0.00
6,500.0	8.85	301.66	6,412.3	328.4	-532.5	625.7	1.50	-1.50	0.00
6,600.0	7.35	301.66	6,511.3	335.8	-544.5	639.8	1.50	-1.50	0.00
6,700.0	5.85	301.66	6,610.6	341.9	-554.3	651.3	1.50	-1.50	0.00
6,778.7	4.67	301.66	6,689.0	345.7	-560.5	658.5	1.50	-1.50	0.00
Mahogany									
6,800.0	4.35	301.66	6,710.2	346.5	-561.9	660.2	1.50	-1.50	0.00
6,900.0	2.85	301.66	6,810.0	349.8	-567.2	666.4	1.50	-1.50	0.00
7,000.0	1.35	301.66	6,909.9	351.8	-570.4	670.1	1.50	-1.50	0.00
7,090.1	0.00	0.00	7,000.0	352.3	-571.3	671.2	1.50	-1.50	0.00
Start 2782.0 hold at 7090.1 MD									
7,100.0	0.00	0.00	7,009.9	352.3	-571.3	671.2	0.00	0.00	0.00
7,200.0	0.00	0.00	7,109.9	352.3	-571.3	671.2	0.00	0.00	0.00
7,300.0	0.00	0.00	7,209.9	352.3	-571.3	671.2	0.00	0.00	0.00
7,400.0	0.00	0.00	7,309.9	352.3	-571.3	671.2	0.00	0.00	0.00
7,500.0	0.00	0.00	7,409.9	352.3	-571.3	671.2	0.00	0.00	0.00
7,600.0	0.00	0.00	7,509.9	352.3	-571.3	671.2	0.00	0.00	0.00
7,687.1	0.00	0.00	7,597.0	352.3	-571.3	671.2	0.00	0.00	0.00
Pelican Bench									
7,700.0	0.00	0.00	7,609.9	352.3	-571.3	671.2	0.00	0.00	0.00
7,800.0	0.00	0.00	7,709.9	352.3	-571.3	671.2	0.00	0.00	0.00
7,900.0	0.00	0.00	7,809.9	352.3	-571.3	671.2	0.00	0.00	0.00
7,902.1	0.00	0.00	7,812.0	352.3	-571.3	671.2	0.00	0.00	0.00
TGR3									
8,000.0	0.00	0.00	7,909.9	352.3	-571.3	671.2	0.00	0.00	0.00
8,086.1	0.00	0.00	7,996.0	352.3	-571.3	671.2	0.00	0.00	0.00
Douglas Creek									
8,100.0	0.00	0.00	8,009.9	352.3	-571.3	671.2	0.00	0.00	0.00
8,200.0	0.00	0.00	8,109.9	352.3	-571.3	671.2	0.00	0.00	0.00
8,300.0	0.00	0.00	8,209.9	352.3	-571.3	671.2	0.00	0.00	0.00
8,400.0	0.00	0.00	8,309.9	352.3	-571.3	671.2	0.00	0.00	0.00
8,500.0	0.00	0.00	8,409.9	352.3	-571.3	671.2	0.00	0.00	0.00
8,600.0	0.00	0.00	8,509.9	352.3	-571.3	671.2	0.00	0.00	0.00
8,615.1	0.00	0.00	8,525.0	352.3	-571.3	671.2	0.00	0.00	0.00
Black Shale Facies									
8,700.0	0.00	0.00	8,609.9	352.3	-571.3	671.2	0.00	0.00	0.00

Bill Barrett Corp

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Site 13-30D-2-2 FD
Company:	BILL BARRETT CORP	TVD Reference:	KB @ 5023.0ft (Original Well Elev)
Project:	UINTAH COUNTY	MD Reference:	KB @ 5023.0ft (Original Well Elev)
Site:	13-30D-2-2 FD	North Reference:	True
Well:	13-30D-2-2 FD	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
8,711.1	0.00	0.00	8,621.0	352.3	-571.3	671.2	0.00	0.00	0.00
Castle Peak									
8,800.0	0.00	0.00	8,709.9	352.3	-571.3	671.2	0.00	0.00	0.00
8,897.1	0.00	0.00	8,807.0	352.3	-571.3	671.2	0.00	0.00	0.00
Uteland Butte									
8,900.0	0.00	0.00	8,809.9	352.3	-571.3	671.2	0.00	0.00	0.00
9,000.0	0.00	0.00	8,909.9	352.3	-571.3	671.2	0.00	0.00	0.00
9,100.0	0.00	0.00	9,009.9	352.3	-571.3	671.2	0.00	0.00	0.00
9,200.0	0.00	0.00	9,109.9	352.3	-571.3	671.2	0.00	0.00	0.00
9,300.0	0.00	0.00	9,209.9	352.3	-571.3	671.2	0.00	0.00	0.00
9,372.1	0.00	0.00	9,282.0	352.3	-571.3	671.2	0.00	0.00	0.00
Wasatch									
9,400.0	0.00	0.00	9,309.9	352.3	-571.3	671.2	0.00	0.00	0.00
9,500.0	0.00	0.00	9,409.9	352.3	-571.3	671.2	0.00	0.00	0.00
9,600.0	0.00	0.00	9,509.9	352.3	-571.3	671.2	0.00	0.00	0.00
9,700.0	0.00	0.00	9,609.9	352.3	-571.3	671.2	0.00	0.00	0.00
9,800.0	0.00	0.00	9,709.9	352.3	-571.3	671.2	0.00	0.00	0.00
9,872.1	0.00	0.00	9,782.0	352.3	-571.3	671.2	0.00	0.00	0.00
TD at 9872.1									

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
13-30D-2-2 FD BTV - plan hits target - Rectangle (sides W200.0 H200.0 D2,782.0)	0.00	0.00	7,000.0	352.3	-571.3	-16,631.83	2,469,433.05	40° 16' 30.760 N	109° 49' 3.950 W
13-30D-2-2 FD PBHL - plan hits target - Rectangle (sides W200.0 H200.0 D0.0)	0.00	0.00	9,782.0	352.3	-571.3	-16,631.83	2,469,433.05	40° 16' 30.760 N	109° 49' 3.950 W

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
5,594.3	5,539.0	Green River		0.00	
6,778.7	6,689.0	Mahogany		0.00	
7,687.1	7,597.0	Pelican Bench		0.00	
7,902.1	7,812.0	TGR3		0.00	
8,086.1	7,996.0	Douglas Creek		0.00	
8,615.1	8,525.0	Black Shale Facies		0.00	
8,711.1	8,621.0	Castle Peak		0.00	
8,897.1	8,807.0	Uteland Butte		0.00	
9,372.1	9,282.0	Wasatch		0.00	

Bill Barrett Corp

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Site 13-30D-2-2 FD
Company:	BILL BARRETT CORP	TVD Reference:	KB @ 5023.0ft (Original Well Elev)
Project:	UINTAH COUNTY	MD Reference:	KB @ 5023.0ft (Original Well Elev)
Site:	13-30D-2-2 FD	North Reference:	True
Well:	13-30D-2-2 FD	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
3,900.0	3,900.0	0.0	0.0	Start Build 2.00	
4,820.2	4,804.5	76.9	-124.7	Start 1042.9 hold at 4820.2 MD	
5,863.1	5,794.0	249.8	-405.0	Start Drop -1.50	
7,090.1	7,000.0	352.3	-571.3	Start 2782.0 hold at 7090.1 MD	
9,872.1	9,782.0	352.3	-571.3	TD at 9872.1	

CONFIDENTIAL

MEMORANDUM OF SURFACE USE AGREEMENT

Entry 2013010127
Book 1354 Page 380 \$12.00
22-OCT-13 10:40
RANDY SIMMONS
RECORDER, UINTAH COUNTY, UTAH
ENCORE LAND SERVICES INC
PO BOX 1729 VERNAL, UT 84078
Rec By: DEBRA ROOKS , DEPUTY

State of Utah)()(
County of Uintah)()(
)

For Ten Dollars (\$10.00) and other adequate consideration, **Vernon B. Richens and Eva Diane Richens, as husband and wife with full rights of survivorship, of P.O. Box 722, Ft. Duchesne, UT 84026**, hereafter referred to as "Surface Owners" have granted, a Surface Use Agreement, to **Bill Barrett Corporation of 1099 18th Street, #2300, Denver, CO 80202**, hereafter referred to as "Bill Barrett", dated **October 21, 2013**, for the purpose of drilling, and producing oil, gas, and other minerals, laying pipelines, building roads, tanks, power stations, telephone lines and other structures, and producing, saving, take care of, treating, transporting, and owning oil, gas, and other minerals, all on or from **FD 13-30D-2-2** on the following land (the "Lands") in Uintah County Utah: **A tract of land lying in S/2SW/4 Section 30, Township 2 South, Range 2 East, USM, Uintah County.**

The Surface Use Agreement is effective as long thereafter as oil, gas, or other minerals are produced from the Lands, or other lands pooled with the Lands, according to and by the terms and provisions of the Lease(s) covering said Lands. This Memorandum is placed of record for the purpose of giving notice of the Surface Use Agreement.

This instrument may be executed in multiple counterparts with each counterpart being considered an original for all purposes herein and binding upon the party executing same whether or not this instrument is executed by all parties hereto, and the signature and acknowledgment pages of the various counterparts hereto may be combined into one instrument for the purposes of recording this instrument in the records of the County Recorder's office.

Executed this 21 day of Oct, 2013.

SURFACE OWNERS:

Vernon B. Richens
Vernon B. Richens

Eva Diane Richens
Eva Diane Richens

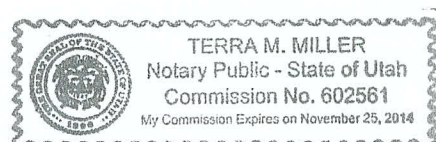
ACKNOWLEDGMENT

STATE OF UTAH }
COUNTY OF UINTAH } SS
}

BEFORE me, the undersigned, a Notary Public in and for said County and State, on this 21st day of October, 2013, personally appeared **Vernon B. and Eva Diane Richens, in the capacity as stated above**, known to be the identical person(s) who executed the within and foregoing instrument, and acknowledged to me that they executed the same as a free and voluntary act and deed, for the uses and purposes therein set forth. Given under my hand and seal the day and year last above written.

Terra M. Miller
Notary Public

Residing At: Vernal, UT



NE 1/4

Sec. 30

NW 1/4

LOT 2

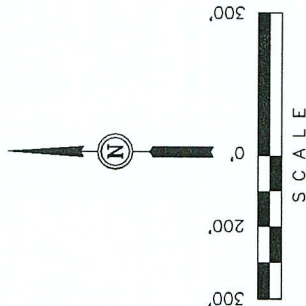
BILL BARRETT CORPORATION

LOCATION SURFACE USE AREA
& ROAD RIGHT-OF-WAY ON
FEE LANDS

(For FD #13-30D-2-2)

LOCATED IN

SECTION 30, T2S, R2E, U.S.B.&M.,
UINTAH COUNTY, UTAH



BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

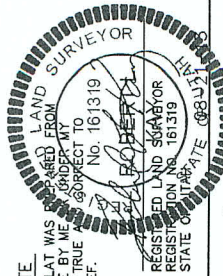
<i>RIGHT-OF-WAY LENGTHS</i>				
	PROPERTY OWNER	FEET	ACRES	RODS
	VERNON B. & EVA DIANE RICHENS	164.85	0.114	9.99

▲ = SECTION CORNERS LOCATED.

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S89°59'45"W	164.85'
L2	S88°59'45"W	67.90'
L3	S101°131"E	64.85'
L4	S02°49'12"E	144.73'
L5	S47°42'43"W	106.88'
L6	S87°12'42"W	274.87'
L7	N51°10'19"W	66.90'
L8	N89°16'17"W	151.00'
L9	N07°34'50"E	41.347'
L10	N88°27'06"E	318.18'
L11	S47°59'12"E	39.83'
L12	N89°57'37"E	177.70'
L13	S101°131"E	159.96'

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO
THE BEST OF MY KNOWLEDGE AND BELIEF.



UNTAH ENGINEERING & LAND SURVEYING
85 SOUTH - 200 EAST • (435) 789-1017

SCALE	1" = 300'	DATE	08-19-13
PARTY	C.R. C.I. K.O.	REFERENCES	G.L.O. PLAT
WEATHER	HOT	FILE	5 4 9 1 8

ROAD RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE SE 1/4 SW 1/4 OF SECTION 30, T25S R2E, U.S.&M., WHICH BEARS S40°15'47"E 2812.30' FROM THE WEST 1/4 CORNER OF SAID SECTION 30, THENCE S89°59'45"W 164.85' TO A POINT IN THE SE 1/4 SW 1/4 OF SAID SECTION 30, WHICH BEARS S37°36'03"E 2708.68' FROM THE WEST 1/4 CORNER OF SAID SECTION 30. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES, BASIS OF BEARINGS IS A G.P.S. OBSERVATION CONTAINS 0.114 ACRES MORE OR LESS.

SURFACE	USE	AREA	DESCRIPTION
1	2	3	4

BEGINNING AT A POINT IN THE SE 1/4 SW 1/4 OF SECTION 30, T2S, R2E, U.S.B.&M., WHICH BEARS S37°36'03"E 2708.68' FROM THE WEST 1/4 CORNER OF SAID SECTION 30, THENCE S19°11'31"E 64.85'; THENCE S02°43'12"E 144.73'; THENCE S19°12'43" 106.88'; THENCE S87°42'42"W 274.87'; THENCE N51°10'19"W 68.90'; THENCE N89°16'17"W 151.00'; THENCE N01°34'30"E 413.47'; THENCE N88°27'06"E 318.18'; THENCE S47°59'12"E 39.83'; THENCE N89°57'37"E 117.70'; THENCE S19°11'31"E 159.96' TO THE POINT OF BEGINNING. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 5.236 ACRES MORE OR LESS.

1/16 Section Line _____ SW 1/4 _____

-SE 1/4-

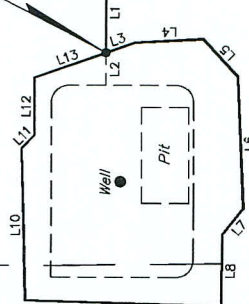
Vernon B.
& Eva Diane
Richens

Vernon B.
& Eva Diane
Richens

END OF PROPOSED ROAD
RIGHT-OF-WAY
STA. 1+64.85
(At Edge of Surface Use Area)

Proposed Road for the
FD #15-300-2-2

BEGINNING OF PROPOSED
ROAD RIGHT-OF-WAY
STA. 0+00
(At Proposed Road for the
FD #15-300-2-2)



SURFACE USE AREA -
FD #13-30D-2-2
Contains 5.236 Acres

N89°19'01"E - 5162.16' (Meas.)

SE Cor Sec. 30
Set Marked Stone,
Small Stones

Comer Re-Established
By Single Proportion
Method,
(Not Set On Ground)

500°07'32"E
—5285.14' (Meas.)

SW Cor. Sec. 31
Pipe in Mound
of Stones

SURFACE USE AGREEMENT
(FD 13-30D-2-2)

THIS AGREEMENT Dated October 21, 2013 by and between _____

Vernon B. Richens and Eva Diane Richens, husband and wife, as joint tenants with full rights of survivorship
whose address is P. O. Box 722, Ft. Duchesne, UT 84026
Phone # (435-545-2535) _____, hereinafter referred to as "Surface Owners", and
Bill Barrett Corporation and its Subsidiaries, whose address is 1099 18th Street, #2300, Denver, CO 80202
hereinafter referred to as "Operator".

WITNESSETH:

WHEREAS, Surface Owners represent that they are the owners in fee and in possession of the surface estate for the following described lands in Uintah County, Utah, hereinafter referred to as "Lands", to wit:

A tract of land lying in the S/2SW/4, Section 30, Township 2 South, Range 2 East, USM as further described on Exhibit "A" attached hereto and made a part hereof.

WHEREAS, Operator has or will acquire certain leasehold interests in the oil and gas mineral estate in the Lands and proposes to conduct drilling and subsequent production operations on the Lands; and

WHEREAS, Surface Owners are generally aware of the nature of the operations which may be conducted under oil and gas leases covering the mineral estate of the Lands; and

WHEREAS, the parties believe that it is in their mutual best interest to agree to the amount of damages to be assessed incident to the operations of Operator on the premises in the exploration for, development and production of oil, gas and/or other leasehold substances under the terms of those certain oil and gas leases now owned or which may be acquired by Operator covering portions of the mineral estate of the Lands; and,

WHEREAS, the parties believe that a reasonable estimate can be made of the damages which will result from the exploration, development and production operations contemplated by such oil and gas leases.

NOW, THEREFORE, in consideration of ten dollars and other valuable consideration, the sufficiency of which is hereby acknowledged, the parties agree as follows:

1. Operator has the right of ingress and egress and to the use of those portions of the Lands which it requires for oil and gas exploration, development and production operations, including tank batteries and other production facilities and the transportation of produced substances from the leasehold, and also the right to construct and use roads and pipelines across portions of the Lands. Operator shall pay Surface Owners as liquidated damages the following sum as full settlement and satisfaction of all damages growing out of, incident to, or in connection with the usual and customary exploration, drilling, completion, sidetracking, reworking, equipping and production operations, contemplated by the oil and gas leases covering the Lands, unless otherwise specifically provided herein:

2. Operator agrees to consult with the surface owners and/or tenant as to all routes of ingress and egress. Prior to the construction of any roads, pipelines, tank battery installations, or installation of any other equipment on the leased premises, Operator shall consult with the surface owners and/or tenant as to the location and direction of same.

3. It is the intention of the parties hereto to cause as little interference with farming operations on the leased premises as reasonably possible, including but specifically not limited to the operation of any pivotal irrigation sprinkler system, or any other irrigation method. If any circular irrigation sprinkler system is in use at the time of initial drilling operations on the leased premises, then any subsequent production equipment, including but specifically not limited to pump jacks, hydraulic lifting equipment, or any other equipment necessary to produce any oil or gas from such well, shall be recessed to such depths, or ramps constructed, so as to allow the continued use of such circular irrigation system.

4. In the event any well hereunder is plugged and abandoned, Operator agrees that Operator will, within a reasonable time, restore Surface Owner's surface estate as near as practical to its original condition found prior to Operator's operations. It is understood and agreed that Surface Owners may elect in writing, prior to cessation of operations of Operator, to have any road constructed under the terms of this Agreement remain upon the property, in which event Operator agrees to leave such road or roads in reasonable condition

5. Operator is responsible for acquiring all necessary permits, licenses, fees, etc. incident to its operations on the Lands.

6. In the event Surface Owners consider that Operator has not complied with all its obligations hereunder, both express and implied, Surface Owners shall notify Operator in writing, setting out specifically in what respects Operator has breached this contract. Operator shall then have sixty (60) days to meet or commence to meet all or any part of the breaches alleged by Surface Owners. The service of said notice shall be precedent to the bringing of any action by Surface Owners for any cause, and no such action shall be brought until the lapse of sixty (60) days after service of such notice on Operator. In the event of litigation, the prevailing party's reasonable attorney's fees will be paid by the opposing party.

7. Operator shall be responsible and shall remain liable for any environmental problems on the subject lands which are caused by or through its operations. To the extent that any such claims are asserted, Operator will be responsible for any remediation required as provided by state regulations. This assumption of liability, however, does not include any third-party operations on the subject lands or any Surface Owners actions which could cause environmental problems but is limited solely to the actions of Operator. Operator hereby indemnifies and holds harmless Surface Owners from any and all environmental problems it causes on the Lands.

8. In the event Surface Owners own less than the entire fee interest in the Lands, then any payment stated herein shall be proportionately reduced to the interest owned.
9. This Agreement shall remain in full force and effect from the date hereof and for so long thereafter as Operator's oil and gas operations affecting the Lands are in effect.
10. When the word "Operator" is used in this Agreement, it shall also mean the successors and assigns of Operator, including but not limited to its employees and officers, agents, affiliates, contractors, subcontractors and/or purchasers.
11. This Agreement shall be binding upon and inure to the benefit of the heirs, successors and assigns of the parties.

ADDITIONAL PROVISIONS:

10
te
an

SURFACE OWNERS:

Vernon B. Richens
By: Vernon B. Richens

Eva Diane Richens
By: Eva Diane Richens

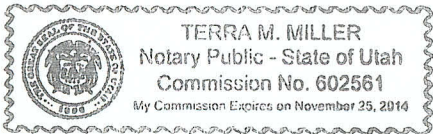
OPERATOR:
Bill Barrett Corporation

Mitchell J. Reneau, Vice President – Land

ACKNOWLEDGMENT

STATE OF Utah }
COUNTY OF Uintah } SS

BEFORE me, the undersigned, a Notary Public in and for said County and State, on this 21st day of October, 2013, personally appeared **Vernon B and Eva Diane Richens, husband and wife, as joint tenants with full rights of survivorship**, known to be the identical person(s) who executed the within and foregoing instrument, and acknowledged to me that they executed the same as a free and voluntary act and deed, for the uses and purposes therein set forth. Given under my hand and seal the day and year last above written.



Terra M. Miller
Notary Public
Residing at: Vernal, UT

ACKNOWLEDGMENT

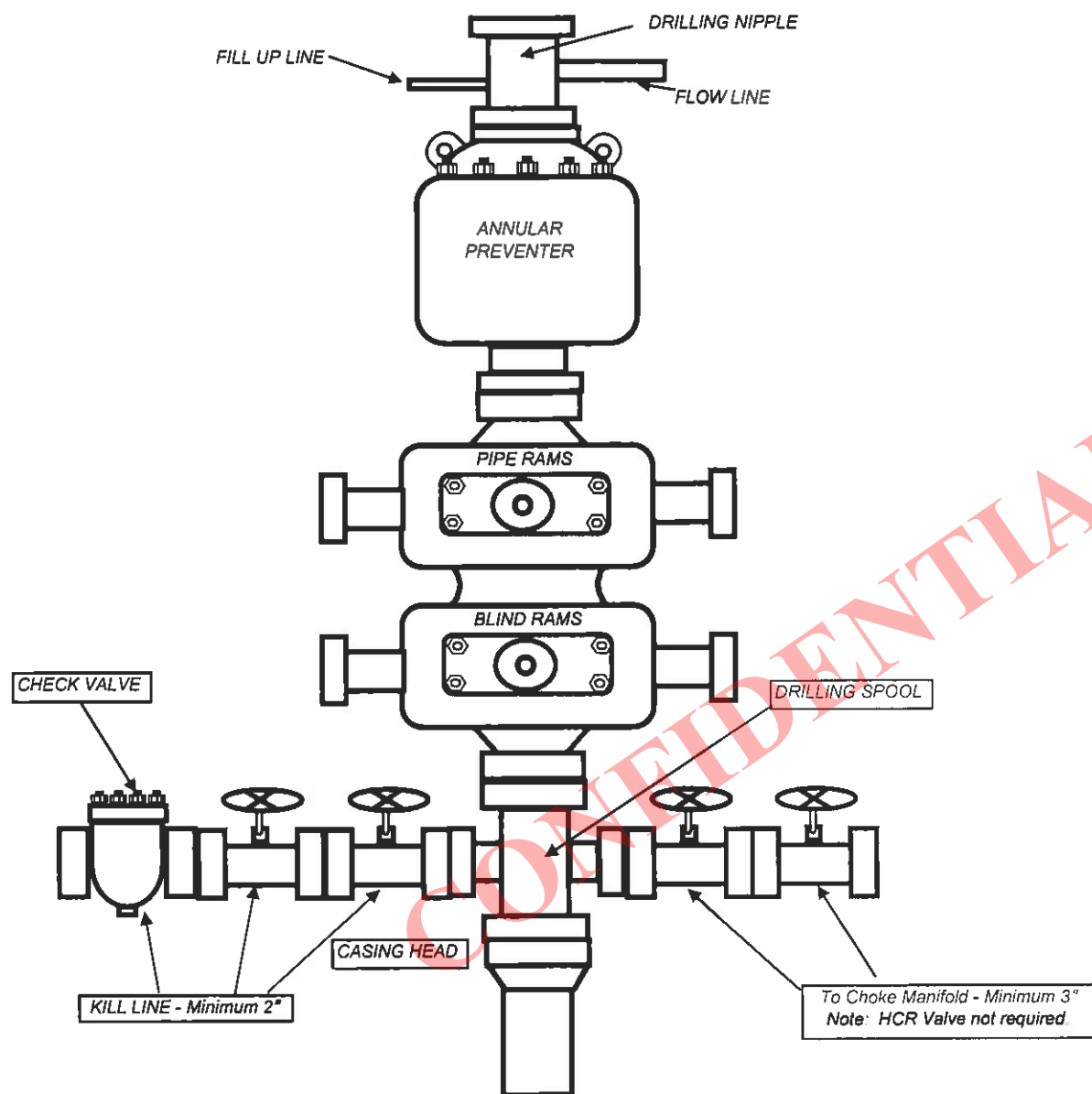
STATE OF COLORADO }
CITY & COUNTY OF DENVER } SS

On the _____ day of _____, 2013, before me the undersigned authority, appeared **Mitchell J. Reneau**, to me personally known, who, being sworn, did say that they are the Vice President – Land for Bill Barrett Corporation, and that the foregoing instrument was signed in behalf of said partnership and Appearer acknowledged to me that said instrument to be the free act and deed of the partnership.

NOTARY PUBLIC
Residing at: _____

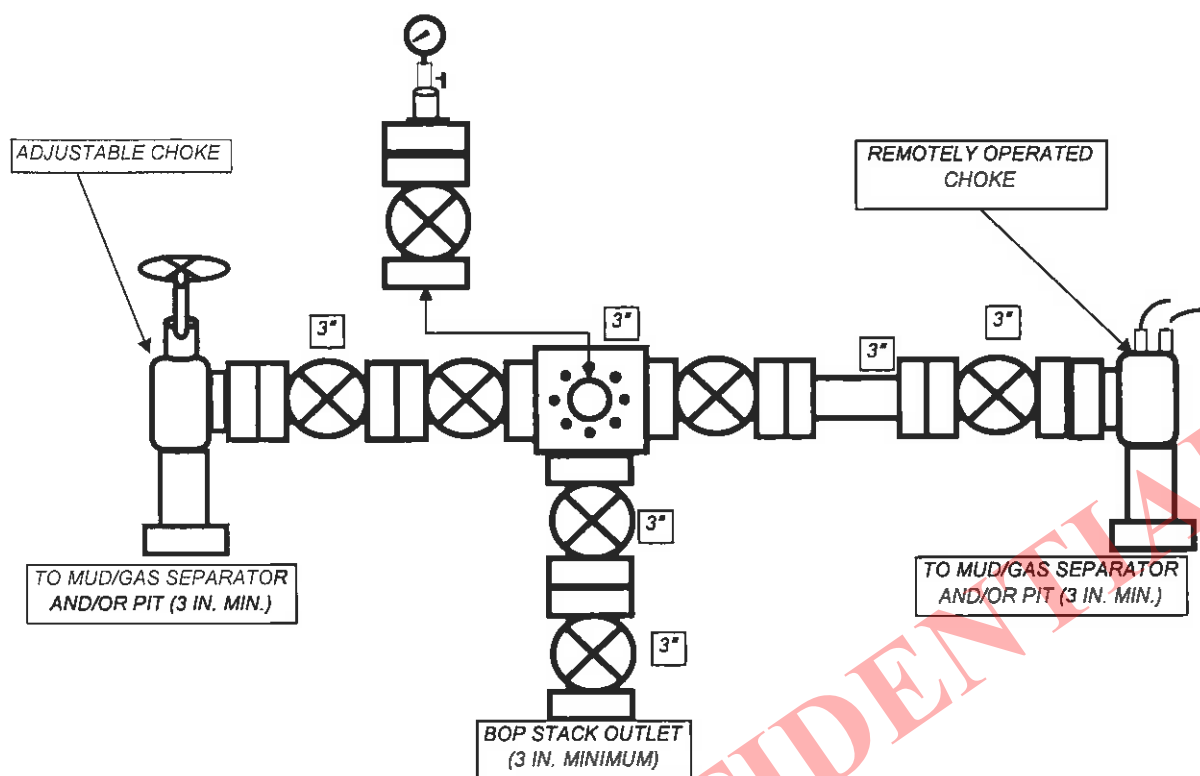
BILL BARRETT CORPORATION

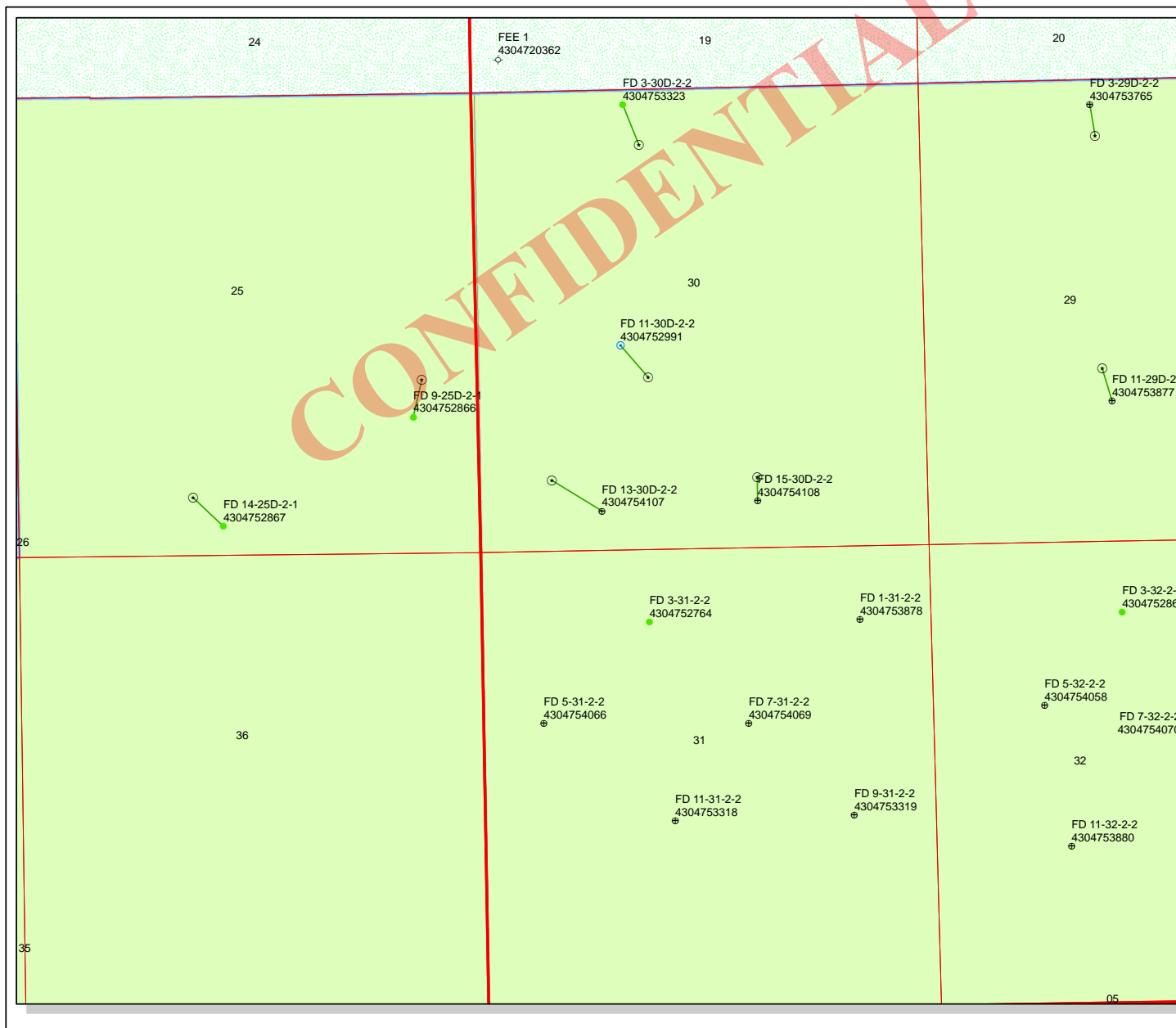
TYPICAL 5,000 p.s.i. BLOWOUT PREVENTER



BILL BARRETT CORPORATION

TYPICAL 5,000 p.s.i. CHOKE MANIFOLD





API Number: 4304754107

Well Name: FD 13-30D-2-2

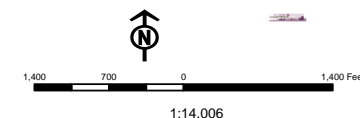
Township: T02.0S Range: R02.0E Section: 30 Meridian: U

Operator: BILL BARRETT CORP

Map Prepared: 11/6/2013
Map Produced by Diana Mason

Wells Query		Units	
Status		STATUS	
APD - Approved Permit		ACTIVE	
DRL - Spudded (Drilling Commenced)		EXPLORATORY	
GIW - Gas Injection		GAS STORAGE	
GS - Gas Storage		NF PP OIL	
LOC - New Location		NF SECONDARY	
OPS - Operation Suspended		PI OIL	
PA - Plugged Abandoned		PP GAS	
PGW - Producing Gas Well		PP GEOTHERML	
POW - Producing Oil Well		PP OIL	
SGW - Shut-in Gas Well		SECONDARY	
SOW - Shut-in Oil Well		TERMINATED	
TA - Temp. Abandoned			
TW - Test Well			
WDW - Water Disposal			
WW - Water Injection Well			
WSW - Water Supply Well			

Fields	
STATUS	
Unknown	
ABANDONED	
ACTIVE	
COMBINED	
INACTIVE	
STORAGE	
TERMINATED	



BOPE REVIEW BILL BARRETT CORP FD 13-30D-2-2 43047541070000

Well Name	BILL BARRETT CORP FD 13-30D-2-2 43047541070000			
String	COND	SURF	PROD	
Casing Size(")	16.000	9.625	5.500	
Setting Depth (TVD)	80	3800	9782	
Previous Shoe Setting Depth (TVD)	0	80	3800	
Max Mud Weight (ppg)	8.7	8.7	9.5	
BOPE Proposed (psi)	0	500	5000	
Casing Internal Yield (psi)	1000	3520	10640	
Operators Max Anticipated Pressure (psi)	4877		9.6	

Calculations	COND String	16.000	"
Max BHP (psi)	.052*Setting Depth*MW=	36	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	26	NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	18	NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	18	NO
Required Casing/BOPE Test Pressure=		80	psi
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient

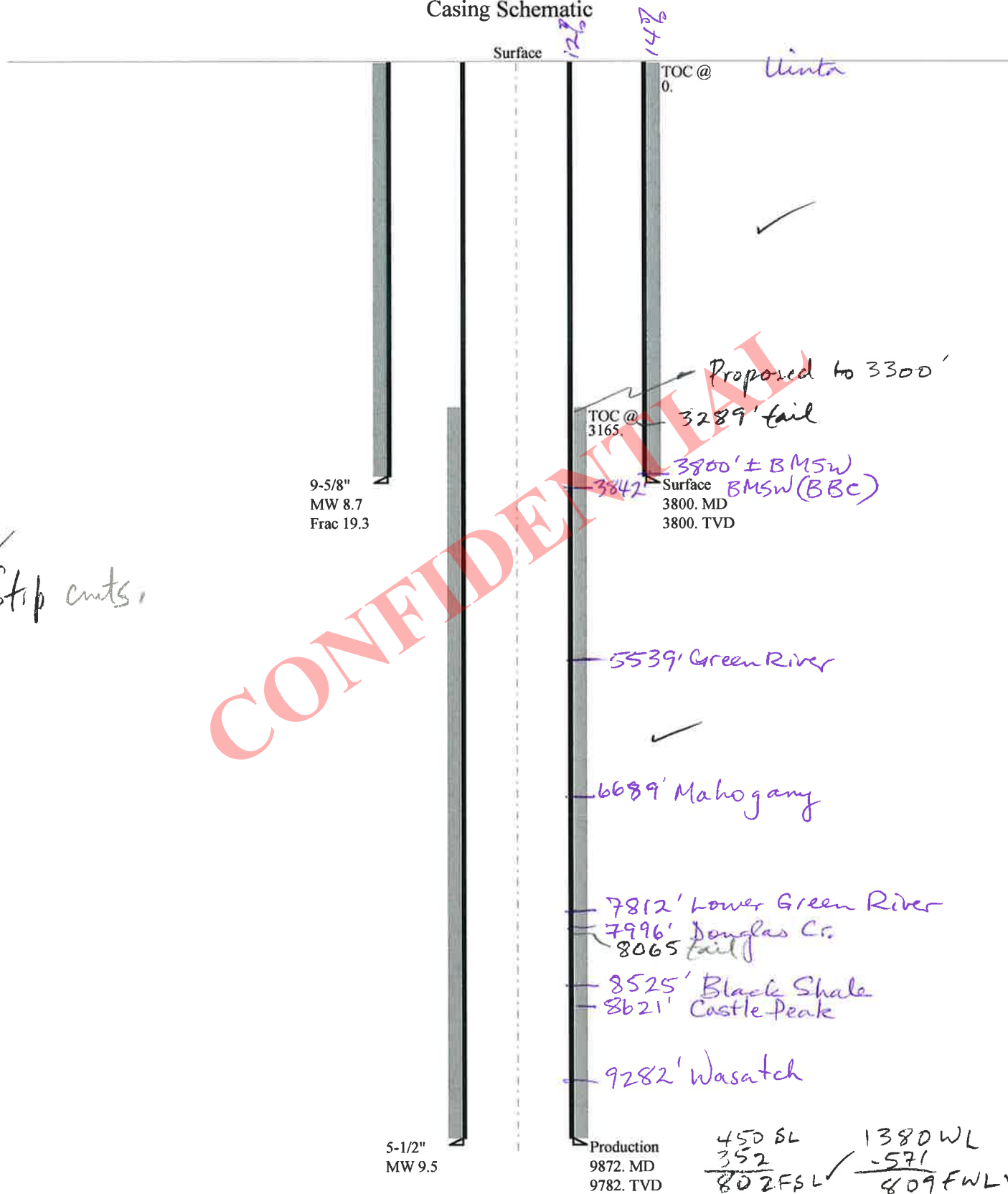
Calculations	SURF String	9.625	"
Max BHP (psi)	.052*Setting Depth*MW=	1749	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	1263	NO air/mist/FW mud, rotating head or diverter
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	883	NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	901	NO
Required Casing/BOPE Test Pressure=		2464	psi
*Max Pressure Allowed @ Previous Casing Shoe=		80	psi *Assumes 1psi/ft frac gradient

Calculations	PROD String	5.500	"
Max BHP (psi)	.052*Setting Depth*MW=	4832	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	3658	YES 5M BOPE, ram type, 5M annular
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	2680	YES
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	3516	YES
Required Casing/BOPE Test Pressure=		5000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		3520	psi *Assumes 1psi/ft frac gradient

Calculations	String		"
Max BHP (psi)	.052*Setting Depth*MW=		
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO
Required Casing/BOPE Test Pressure=			psi
*Max Pressure Allowed @ Previous Casing Shoe=			psi *Assumes 1psi/ft frac gradient

43047541070000 FD 13-30D-2-2

Casing Schematic



✓ Strip cuts.

CONFIDENTIAL

Proposed to 3300'

TOC @ 3165' 3289' fail

3800' ± BMSW BMSW (BBC)
Surface 3800. MD
3800. TVD

5539' Green River

6689' Mahogany

7812' Lower Green River

7996' Douglas Cr.
8065' fail

8525' Black Shale

8621' Castle Peak

9282' Wasatch

450 SL 1380 WL
352 -571
802 FSL 809 FWL ON.
SW SW Sec 30-25-2E

Well name:	43047541070000 FD 13-30D-2-2		
Operator:	BILL BARRETT CORP		
String type:	Surface	Project ID:	43-047-54107
Location:	UINTAH COUNTY		

Design parameters:**Collapse**

Mud weight: 8.700 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 127 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: Surface

Burst

Max anticipated surface pressure: 3,344 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 3,800 psi

Annular backup: 1.50 ppg

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.
Neutral point: 3,311 ft

Non-directional string.**Re subsequent strings:**

Next setting depth: 9,782 ft
Next mud weight: 9.500 ppg
Next setting BHP: 4,827 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 3,800 ft
Injection pressure: 3,800 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	3800	9.625	36.00	J-55	LT&C	3800	3800	8.796	31074
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	1717	2020	1.176	3504	3520	1.00	119.2	453	3.80 J

Prepared Helen Sadik-Macdonald
by: Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: November 20, 2013
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 3800 ft, a mud weight of 8.7 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:	43047541070000 FD 13-30D-2-2	
Operator:	BILL BARRETT CORP	Project ID:
String type:	Production	43-047-54107
Location:	UINTAH COUNTY	

Design parameters:**Collapse**

Mud weight: 9.500 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 211 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Cement top: 3,165 ft

Burst

Max anticipated surface pressure: 2,675 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 4,827 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Tension is based on buoyed weight.
Neutral point: 8,463 ft

Directional Info - Build & Drop

Kick-off point 3900 ft
Departure at shoe: 671 ft
Maximum dogleg: 2 °/100ft
Inclination at shoe: 0 °

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	9872	5.5	17.00	P-110	LT&C	9782	9872	4.767	65025

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	4827	7480	1.549	4827	10640	2.20	142.3	445	3.13 J

Prepared by: Helen Sadik-Macdonald
Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: November 20, 2013
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 9782 ft, a mud weight of 9.5 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator BILL BARRETT CORP
Well Name FD 13-30D-2-2
API Number 43047541070000 **APD No** 8932 **Field/Unit** UNDESIGNATED
Location: 1/4,1/4SESW **Sec** 30 **Tw** 2.0S **Rng** 2.0E 450 FSL 1380 FWL
GPS Coord (UTM) 600627 4458863 **Surface Owner** VERNON RICHENS

Participants

Kary Eldredge and Jake Woodland (Bill Barrett Corporation), Cody Rich (surveyor), Jim Burns (permit contractor), Terra Miller (land contractors)

Regional/Local Setting & Topography

This proposed well site is just south and east of Gusher, Utah which is approximately midway between the much larger towns of Vernal and Roosevelt, Utah. The terrain here is made up of small scattered hills and dry washes. The soil is mostly quite permeable sandy loam which supports sage brush and various desert grasses. Drainage is generally to the north toward a series of washes, wetlands and ponds. This lower lying drainage area trends toward the west and scattered throughout, where topography and water permits, are irrigated alfalfa hay fields. There are exposed rock ledges on the surface of proposed location.

Surface Use Plan

Current Surface Use
Wildlfe Habitat

New Road Miles	Well Pad	Src Const Material	Surface Formation
0.04	Width 300 Length 400	Offsite	UNTA

Ancillary Facilities N

Waste Management Plan Adequate? Y

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

Sage brush, 4 wing salt brush, desert grasses

Pronghorn habitat

Soil Type and Characteristics

Loamy sand with exposed rock ledges on surface

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diversion Required? Y

Minor diversion needed

Berm Required? Y

very permeable soil

Erosion Sedimentation Control Required? N

Paleo Survey Run? N Paleo Potential Observed? N Cultural Survey Run? N Cultural Resources? N

Reserve Pit**Site-Specific Factors****Site Ranking**

Distance to Groundwater (feet)	25 to 75	15
Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	>1320	0
Native Soil Type	High permeability	20
Fluid Type	TDS>10000	15
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)		0
Affected Populations		
Presence Nearby Utility Conduits	Not Present	0
Final Score		50 1 Sensitivity Level

Characteristics / Requirements

The reserve pit is proposed in a cut stable location. Dimensions are 200 x 100 x 10ft. Bill Barrett representative Kary Eldredge stated that a 20 mil reserve pit liner and felt subliner will be used. This liner program appears adequate for this location.

Closed Loop Mud Required? N Liner Required? Y Liner Thickness 16 Pit Underlayment Required? Y

Other Observations / Comments

Richard Powell
Evaluator

11/6/2013
Date / Time

Application for Permit to Drill

Statement of Basis

Utah Division of Oil, Gas and Mining

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
8932	43047541070000	LOCKED	OW	P	No
Operator	BILL BARRETT CORP		Surface Owner-APD	VERNON RICHENS	
Well Name	FD 13-30D-2-2		Unit		
Field	UNDESIGNATED		Type of Work	DRILL	
Location	SESW 30 2S 2E U 450 FSL 1380 FWL GPS Coord (UTM) 600633E 4458862N				

Geologic Statement of Basis

Bill Barrett proposes to set 80 feet of conductor and 3,800 feet of surface casing at this location. The entire surface hole will be drilled with fresh water mud. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 3,800'. A search of Division of Water Rights records shows 6 water wells within a 10,000 foot radius of the center of Section 29. The wells are 60-500 feet in depth with listed uses as domestic, irrigation and stock watering. The wells probably produce water from near-surface alluvium and the Uinta Formation. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. The proposed casing and cement should adequately protect ground water in this area.

Brad Hill
APD Evaluator

11/19/2013
Date / Time

Surface Statement of Basis

This well is on fee surface with fee minerals. Surface owner Vernon Richens was invited to this onsite and several other well sites on Mr. Richens land to be visited this day. I spoke with Mr. Richens to discuss the well sites in general and he stated that prior to placement of the wells on the Richens land, he was consulted by Bill Barrett Corporation and all locations were placed such that his farming and livestock operation would not be disturbed. Mr. Richens chose not to participate in the days presite inspections but expressed that he had no concerns with any of the proposed locations. According to Kary Eldredge a 20 mil liner will be used for this reserve pit. This liner will be adequate for the location. Due to very permeable soils and rugged terrain this well pad must be bermed to keep any leaked or spilled fluids contained to the pad. There is a large power transmission line to the south of the location but well beyond the location footprint. Minor drainage diversions will be needed for this location but it appears to be a good site for this well.

Richard Powell
Onsite Evaluator

11/6/2013
Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location.

API Well Number: 43047541070000

Surface

The reserve pit shall be fenced upon completion of drilling operations.

CONFIDENTIAL

RECEIVED: December 03, 2013

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 10/31/2013

API NO. ASSIGNED: 43047541070000

WELL NAME: FD 13-30D-2-2

OPERATOR: BILL BARRETT CORP (N2165)

PHONE NUMBER: 303 312-8115

CONTACT: Brady Riley

PROPOSED LOCATION: SESW 30 020S 020E

Permit Tech Review: ☒

SURFACE: 0450 FSL 1380 FWL

Engineering Review: ☒

BOTTOM: 0810 FSL 0810 FWL

Geology Review: ☒

COUNTY: UINTAH

LATITUDE: 40.27419

LONGITUDE: -109.81633

UTM SURF EASTINGS: 600633.00

NORTHINGS: 4458862.00

FIELD NAME: UNDESIGNATED

LEASE TYPE: 4 - Fee

LEASE NUMBER: fee

PROPOSED PRODUCING FORMATION(S): GREEN RIVER(LWR)-WASATCH

SURFACE OWNER: 4 - Fee

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

LOCATION AND SITING:

☒ PLAT☐ R649-2-3.☒ Bond: STATE - LPM4138148

Unit:

☐ Potash☐ R649-3-2. General☐ Oil Shale 190-5☐ Oil Shale 190-3☐ R649-3-3. Exception☐ Oil Shale 190-13☒ Drilling Unit☒ Water Permit: 49-1645

Board Cause No: Cause 139-106

☐ RDCC Review:

Effective Date: 11/14/2013

☒ Fee Surface Agreement

Siting: 660' Fr Drlg U Bdry & 990' Fr Other Wells

☒ Intent to Commingle☒ R649-3-11. Directional Drill

Commingle Approved

Comments: Presite Completed

Stipulations: 3 - Commingle - ddoucet
5 - Statement of Basis - bhill
12 - Cement Volume (3) - hmadonald
15 - Directional - dmason
25 - Surface Casing - hmadonald
27 - Other - hmadonald

RECEIVED: December 03, 2013



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: FD 13-30D-2-2

API Well Number: 43047541070000

Lease Number: fee

Surface Owner: FEE (PRIVATE)

Approval Date: 12/3/2013

Issued to:

BILL BARRETT CORP, 1099 18th Street Ste 2300, Denver, CO 80202

Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 139-106. The expected producing formation or pool is the GREEN RIVER(LWR)-WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

Commingling:

In accordance with Board Cause No. 139-106, commingling of the production from the Wasatch formation and the Lower Green River formation in this well is allowed.

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Cement volume for the 4 1/2 production string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to 3300' MD as indicated in the submitted drilling plan.

Surface casing shall be cemented to the surface.

A properly maintained and lubricated rotating head shall be in place when drilling with air.

Additional Approvals:

The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan - contact Dustin Doucet
- Significant plug back of the well - contact Dustin Doucet
- Plug and abandonment of the well - contact Dustin Doucet

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well - contact Carol Daniels
OR
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website
at <http://oilgas.ogm.utah.gov>
- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing - contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program
- contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well - contact Dan Jarvis

Contact Information:

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office
801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office
801-231-8956 - after office hours

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

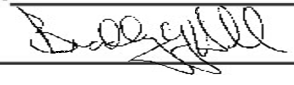
- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) - due prior to implementation
- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation
- Report of Water Encountered (Form 7) - due within 30 days after completion
- Well Completion Report (Form 8) - due within 30 days after completion or

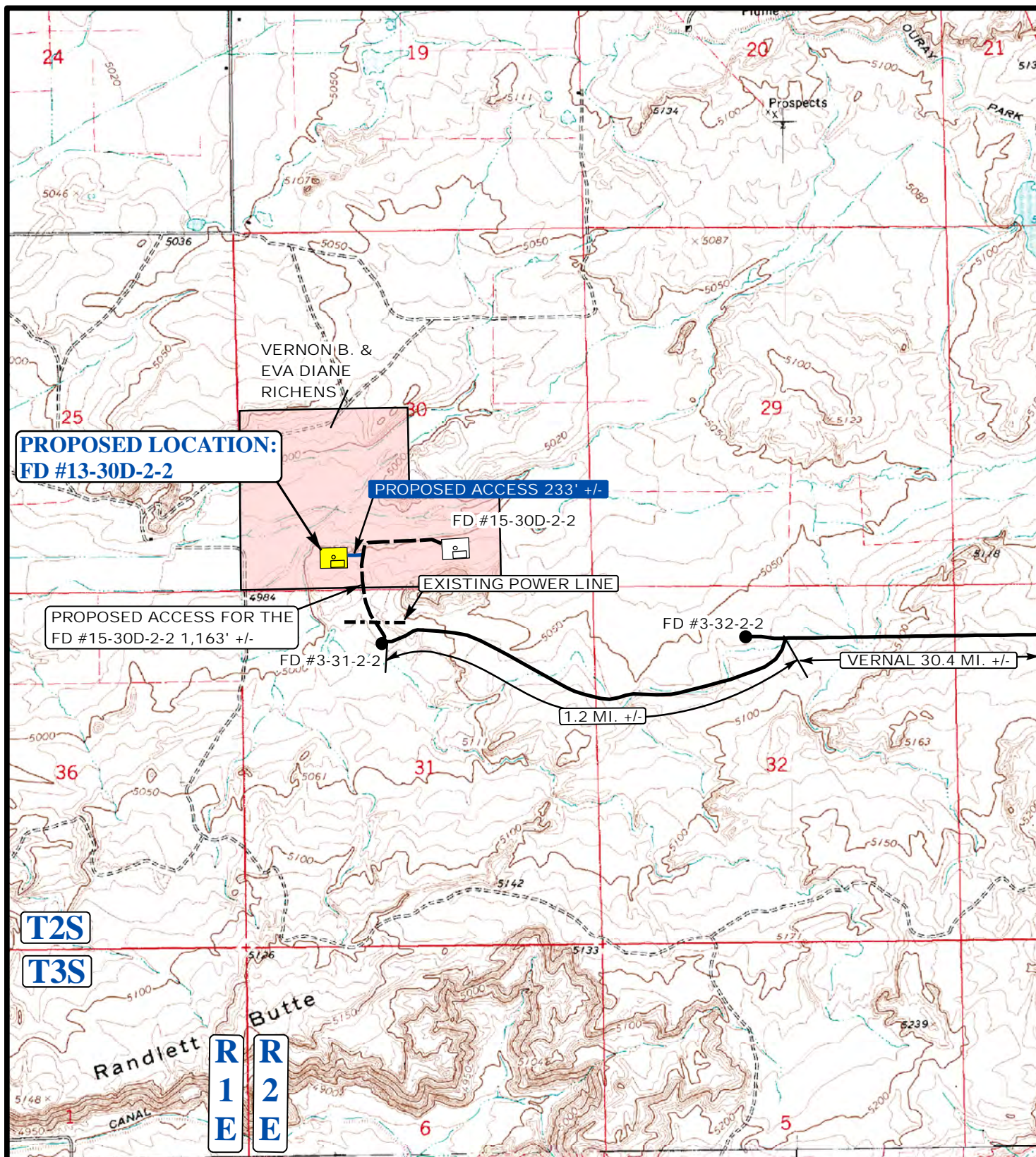
plugging

Approved By:

A handwritten signature in black ink, appearing to read "J. Rogers", written over a horizontal line.

For John Rogers
Associate Director, Oil & Gas

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9			
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: fee			
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
2. NAME OF OPERATOR: BILL BARRETT CORP		7. UNIT or CA AGREEMENT NAME:			
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		8. WELL NAME and NUMBER: FD 13-30D-2-2			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0450 FSL 1380 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 30 Township: 02.0S Range: 02.0E Meridian: U		9. API NUMBER: 43047541070000			
PHONE NUMBER: 303 312-8134 Ext		9. FIELD and POOL or WILDCAT: UNDESIGNATED			
COUNTY: UINTAH		STATE: UTAH			
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
TYPE OF SUBMISSION	TYPE OF ACTION				
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 12/12/2013 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION
<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION			
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Attached is the updated access road and pipeline route which was requested at the onsite of this pad. No other changes are being made to the pad.					
Date: December 17, 2013 By: 		Accepted by the Utah Division of Oil, Gas and Mining			
NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst			
SIGNATURE N/A	DATE 12/12/2013				



LEGEND:

———— EXISTING ROADS
 - - - - - PROPOSED ACCESS ROAD

BILL BARRETT CORPORATION

FD #13-30D-2-2
SECTION 30, T2S, R2E, U.S.B.&M.
450' FSL 1380' FWL



Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

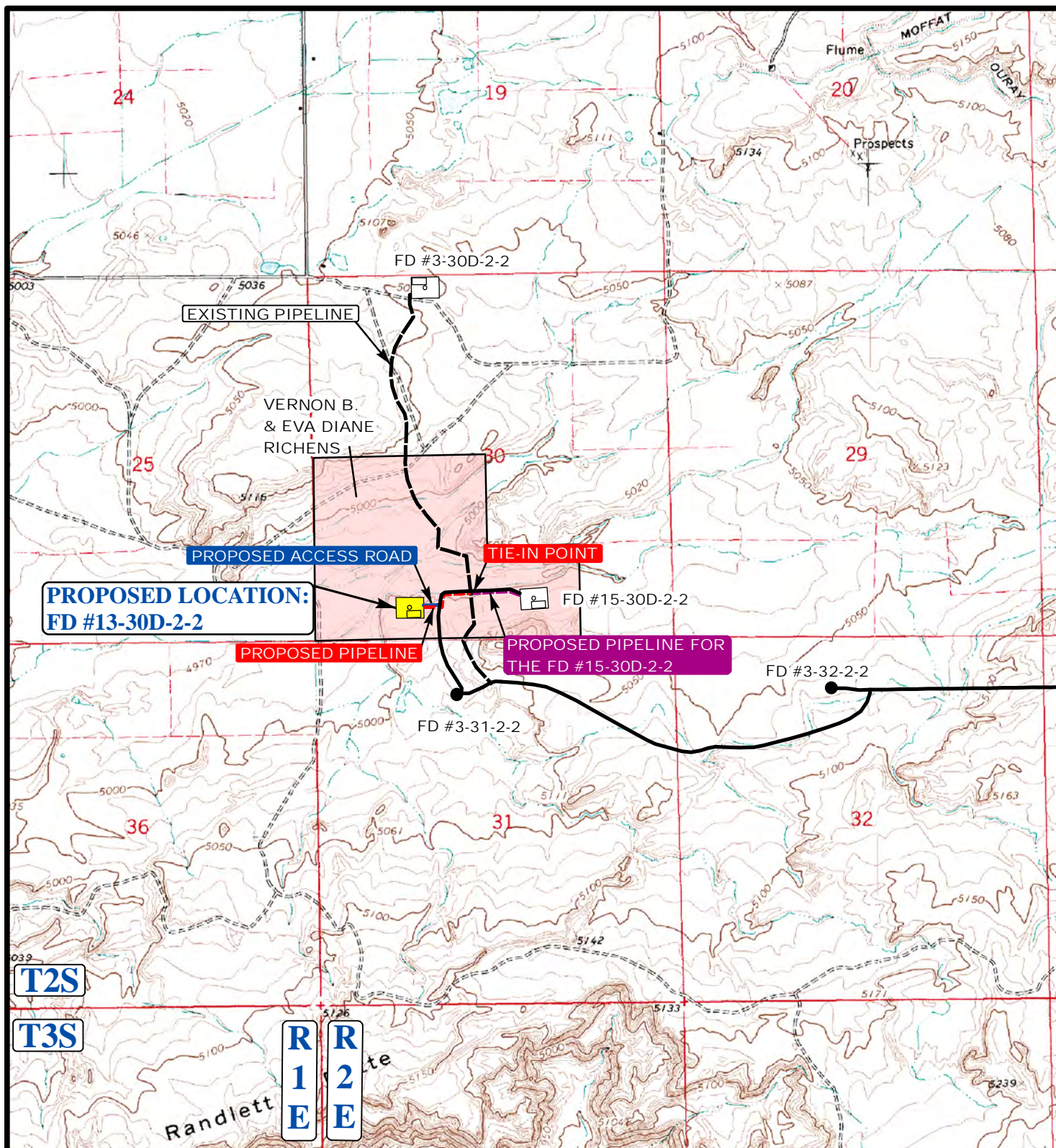


ACCESS ROAD
MAP

08 **15** **13**
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: S.O. REV: 11-22-13 J.M.C.





APPROXIMATE TOTAL PIPELINE DISTANCE = 832' +/-

LEGEND:

- EXISTING ROADS
- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- PROPOSED PIPELINE
- PROPOSED PIPELINE (SEVICING OTHER WELLS)

BILL BARRETT CORPORATION

FD #13-30D-2-2
SECTION 30, T2S, R2E, U.S.B.&M.
450' FSL 1380' FWL



Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
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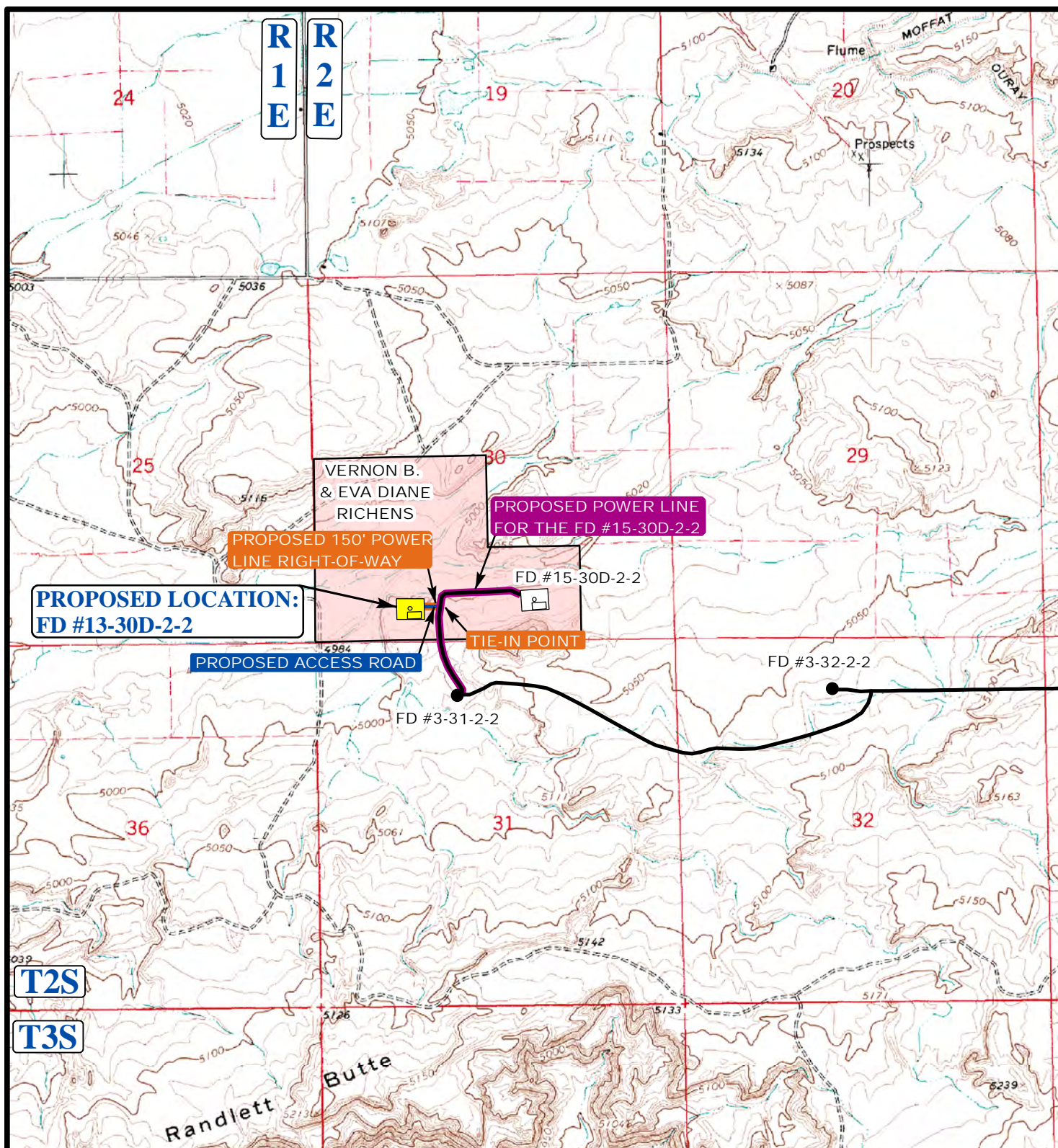


TOPOGRAPHIC
MAP

08 **14** **13**
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: S.O. REV: 11-22-13 J.M.C.





APPROXIMATE TOTAL POWER LINE DISTANCE 233' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- - - - - EXISTING POWER LINE
- PROPOSED POWER LINE
- PROPOSED POWER LINE (SERVICING OTHER WELLS)

BILL BARRETT CORPORATION

FD #13-30D-2-2
SECTION 30, T2S, R2E, U.S.B.&M.
450' FSL 1380' FWL



Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813



TOPOGRAPHIC
MAP

08 15 13
 MONTH DAY YEAR

SCALE: 1"= 2000' DRAWN BY: S.O. REV: 11-22-13 J.M.C.



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: fee
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: FD 13-30D-2-2	
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43047541070000	
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300, Denver, CO, 80202	PHONE NUMBER: 303 312-8134 Ext	9. FIELD and POOL or WILDCAT: UNDESIGNATED
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0450 FSL 1380 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 30 Township: 02.0S Range: 02.0E Meridian: U	COUNTY: UINTAH	
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 12/20/2013	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: REVISED DRILLING PLAN

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Bill Barrett Corporation is requesting permission to revise the drilling plan for this well: Surface casing set depth: 1200' Surface casing description: 8-5/8" 24# J55 STC (Hole size remains at 12-1/4" hole) Surface cement volumes: 160 sx 11.0 ppg lead (75% excess) 270 sx 14.8 ppg tail (75% excess) Production Hole and Casing size remains the same. Production grade changing to: P-110 OR I-80

**Approved by the
Utah Division of
Oil, Gas and Mining**

Date: December 23, 2013

By: *D. K. Quist*

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A		DATE 12/20/2013



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

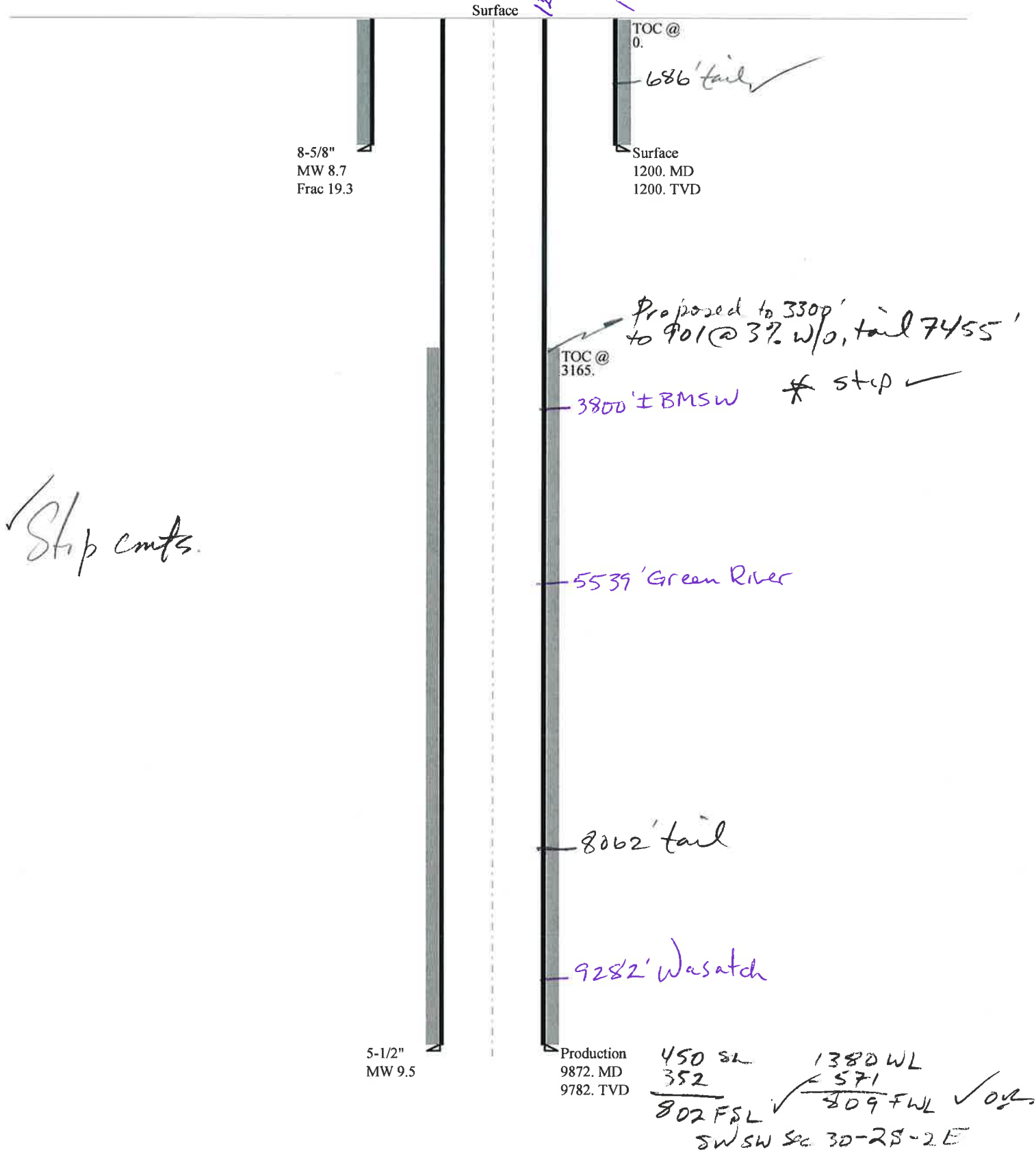
Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43047541070000

Cement volume for the 5 1/2" production string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to 900' MD in order to adequately isolate the Base of Moderately Saline Groundwater.

43047541070000 FD 13-30D-2-2 *Revised 12/23/13*

Casing Schematic



Well name:	43047541070000 FD 13-30D-2-2		
Operator:	BILL BARRETT CORP		
String type:	Surface	Project ID:	43-047-54107
Location:	UINTAH COUNTY		

Design parameters:**Collapse**

Mud weight: 8.700 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 91 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 12 ft

Cement top: Surface

Burst

Max anticipated surface pressure: 1,056 psi
Internal gradient: 0.120 psi/ft
Calculated BHP: 1,200 psi

Annular backup: 1.50 ppg

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.
Neutral point: 1,045 ft

Non-directional string.**Re subsequent strings:**

Next setting depth: 9,782 ft
Next mud weight: 9.500 ppg
Next setting BHP: 4,827 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 1,200 ft
Injection pressure: 1,200 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	1200	8.625	23.00	WC-50	ST&C	1200	1200	8	7920
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	542	1170	2.157	1106	2500	2.26	24	220	9.15 J

Prepared by: Helen Sadik-Macdonald
Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: December 23, 2013
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 1200 ft, a mud weight of 8.7 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:	43047541070000 FD 13-30D-2-2		
Operator:	BILL BARRETT CORP		
String type:	Production	Project ID:	43-047-54107
Location:	UINTAH COUNTY		

Design parameters:**Collapse**

Mud weight: 9.500 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 211 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Cement top: 3,165 ft

Burst

Max anticipated surface pressure: 2,675 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 4,827 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Directional well information:

Kick-off point 3900 ft
Departure at shoe: 671 ft
Maximum dogleg: 2 °/100ft
Inclination at shoe: 0 °

Tension is based on buoyed weight.

Neutral point: 8,463 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	9872	5.5	17.00	I-80	LT&C	9782	9872	4.767	110764
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	4827	6290	1.303	4827	7740	1.60	142.3	320	2.25 J

Prepared by: Helen Sadik-Macdonald
Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: December 23, 2013
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 9782 ft, a mud weight of 9.5 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
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1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: FD 13-30D-2-2	
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43047541070000	
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8134 Ext	9. FIELD and POOL or WILDCAT: UNDESIGNATED
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0450 FSL 1380 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 30 Township: 02.0S Range: 02.0E Meridian: U	COUNTY: UINTAH	
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 1/9/2014			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Drilling Contractor: Triple A Drilling LLC. Rig #: TA 4037 Rig Type:
 Soilmec SR/30 Spud Date: 1/9/14 Spud Time: 1:30 PM Commence
 Drilling approximate start date: 2/1/2014

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 January 13, 2014

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A		DATE 1/13/2014

CONFIDENTIAL

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corp Rig Name/# Capstar 328
Submitted By JEREMY MEJORADO Phone Number 303-353-5425

Well Name/Number FD 13-30D-2-2

Qtr/Qtr SE/SW Section 30 Township 2S Range 2E

Lease Serial Number _____

API Number 43-047-54107

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time _____ AM ☐ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☒ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 1/19/14 10:00 AM ☐ PM ☐

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time _____ AM ☐ PM ☐

RECEIVED

JAN 18 2014

DIV. OF OIL, GAS & MINING

Remarks WE WILL BE CEMETING AROUND 2:00 AM 1/20/14.
PLEASE CALL WITH ANY QUESTIONS OR CONCERNS

—

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
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4. LOCATION OF WELL FOOTAGES AT SURFACE: 0450 FSL 1380 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 30 Township: 02.0S Range: 02.0E Meridian: U		9. API NUMBER: 43047541070000
PHONE NUMBER: 303 312-8134 Ext		9. FIELD and POOL or WILDCAT: UNDESIGNATED
COUNTY: UINTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 1/31/2014	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100%;" type="text"/> </div> </div>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Attached is the January 2014 Drilling Activity for this well.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY February 06, 2014		
NAME (PLEASE PRINT) Christina Hirtler	PHONE NUMBER 303 312-8597	TITLE Administrative Assistant
SIGNATURE N/A	DATE 2/5/2014	

**13-30D-2-2 FD 1/17/2014 06:00 - 1/18/2014 06:00**

API 43-047-54107	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status DRILLING	Total Depth (ftKB) 9,462.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.00	08:00	1	RIGUP & TEARDOWN	WAITING ON DAYLIGHT
08:00	10.00	18:00	1	RIGUP & TEARDOWN	SET AND RIG UP CAMPS
18:00	12.00	06:00	1	RIGUP & TEARDOWN	WAIT ON DRILLING RIG

13-30D-2-2 FD 1/18/2014 06:00 - 1/19/2014 06:00

API 43-047-54107	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status DRILLING	Total Depth (ftKB) 9,462.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.50	07:30	1	RIGUP & TEARDOWN	WAIT ON DAYLIGHT
07:30	22.50	06:00	1	RIGUP & TEARDOWN	MOVING RIG - SET SUB, RAISE DERRICK, SET MUD TANKS, SOLIDS CONTROL EQUIPMENT, MUD PUMPS, GENS, CHOKE HOUSE, WATER TANK, FUEL TANK, TRUCKS RELEASED @ 1700 HRS - DIG CONTAINMENT AROUND RIG - R/U ELECTRICAL, WATER & MUD LINES - FUNCTION PUMPS & TOP DRIVE - REPLACE HUB SEAL ON MUD PUMP #1 (CHAIN NOT TIGHT AND DAMAGED GAIRD FIXING DAMAGED GAIRD) - DRESS OUT SHAKERS - FILL MUD TANKS

13-30D-2-2 FD 1/19/2014 06:00 - 1/20/2014 06:00

API 43-047-54107	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status DRILLING	Total Depth (ftKB) 9,462.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.00	09:00	14	NIPPLE UP B.O.P	NIPPLE UP CONDUCTOR, FLOW LINE, AND ROTATING HEAD ASSEMBLY
09:00	4.00	13:00	6	TRIPS	P/U DIR TOOLS AND BHA - ORIENT MUD MOTOR AND MWD
13:00	0.50	13:30	2	DRILL ACTUAL	DRLG 12 1/4 SURFACE (22') 44FPH W/ 400 GPM, TOP DRIVE RPM=25, MOTOR RPM=68 TOTAL RPM=93, WT ON BIT=8K, DIFF PRESS=150, TQ=2K
13:30	1.50	15:00	6	TRIPS	LAY DOWN (1) 6" DC, P/U BHA, INSTALL ROTATING HEAD RUBBER
15:00	1.50	16:30	2	DRILL ACTUAL	DRLG 12 1/4 SURFACE (130') 86.6 FPH W/500 GPM, TOP DRIVE RPM=45, MOTOR RPM=85, TOTAL RPM=130, WT ON BIT=10K, DIFF PRESS=150-300, TQ=2K
16:30	0.50	17:00	7	LUBRICATE RIG	RIG SERVICE
17:00	9.50	02:30	2	DRILL ACTUAL	DRLG 12 1/4 SURFACE (999') 105 FPH W/680 GPM, TOP DRIVE RPM=50, MOTOR RPM=115 - TOTAL RPM=165, WT ON BIT=12-18K DIFF PRESS=200-350, TQ=3K
02:30	1.00	03:30	5	COND MUD & CIRC	CIRC. PUMP TWO HIGH VIS SWEEPS
03:30	0.50	04:00	7	LUBRICATE RIG	RIG SERVICE - CHANGE GRABBER DIES ON PIPE HANDLER
04:00	2.00	06:00	6	TRIPS	T.O.O.H.

13-30D-2-2 FD 1/20/2014 06:00 - 1/21/2014 06:00

API 43-047-54107	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status DRILLING	Total Depth (ftKB) 9,462.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	6	TRIPS	LAY DOWN BHA
07:00	1.50	08:30	12	RUN CASING & CEMENT	RIG UP TO RUN 8 5/8 CASING
08:30	1.50	10:00	12	RUN CASING & CEMENT	LAY DOWN DAMAGED JOINT OF CASING - RIG UP CORRECT 8 5/8 CASING SPEAR
10:00	3.00	13:00	12	RUN CASING & CEMENT	RUN 28 JOINTS 8 5/8 24# J-55 CASING WITH 7 CENTRALIZERS. CASING SET @ 1230'
13:00	1.50	14:30	5	COND MUD & CIRC	CIRCULATE (RIG UP HALLIBURTON WHILE CIRCULATING) - BLOW DOWN TOP DRIVE & MUD LINE
14:30	2.00	16:30	12	RUN CASING & CEMENT	SAFETY MEETING WITH CEMENTERS - LOAD WIPER PLUG, RIG UP CEMENT HEAD AND REMAINING IRON - TEST LINES @ 3000 PSI, PUMP 40 BBLS SUPER FLUSH, 20 BBLS WATER, 90 BBLS 160 SKS 11.0 PPG 3.16 YIELD LEAD CEMENT MIXED @ 19.43 GAL/SK, 66 BBLS 270 SKS 14.8 PPG 1.37 YIELD TAIL CEMENT MIXED @ 6.62 GAL/SK, SHUT DOWN DROP PLUG WASH LINES & DISPLACE WITH 75.5 BBLS FRESH WATER BUMP FINAL CIRC PRESSURE=345 PSI TAKE PRESSURE TO 850 PSI HOLD FOR TWO MINUTES RELEASE PRESSURE FLOATS HELD - FULL RETURNS DURING JOB 15 BBLS CEMENT TO SURFACE - RIG DOWN CEMENTERS

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
16:30	1.00	17:30	13	WAIT ON CEMENT	WAIT ON CEMENT
17:30	1.00	18:30	12	RUN CASING & CEMENT	RUN 120' OF 1" TUBING AND TOP OUT WITH 18 BBLS 90 SKS 15.6 PPG 1.15 YIELD TOP OUT CEMENT MIXED @ 5.15 GAL/SK - RIG DOWN CEMENTERS
18:30	1.50	20:00	13	WAIT ON CEMENT	WAIT ON CEMENT
20:00	4.00	00:00	21	OPEN	CUT OFF CASING AND WELD ON WELL HEAD
00:00	4.50	04:30	14	NIPPLE UP B.O.P	NIPPLE UP BOP
04:30	1.50	06:00	15	TEST B.O.P	RIG UP TESTER AND BEGIN TESTING BOP

13-30D-2-2 FD 1/21/2014 06:00 - 1/22/2014 06:00

API 43-047-54107	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status DRILLING	Total Depth (ftKB) 9,462.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.50	09:30	15	TEST B.O.P	TEST BOP (PIPE RAMS, BLIND RAMS, KILL LINE, CHOKE LINE & CHOKE VALVES, KILL LINE, HCR, UPPER KELLY, LOWER KELLY, FOSV, INSIDE BOP ALL @ 10 MIN 5000 PSI HIGH 5 MIN 250 PSI LOW, ANNULAR @ 10MIN 2500 PSI HIGH 5MIN 250 PSI LOW, CASING @ 30 MIN 1500 PSI) ACCUMULATOR FUNCTION TEST -R/D TESTER
09:30	0.50	10:00	21	OPEN	SET WEAR BUSHING
10:00	1.50	11:30	20	DIRECTIONAL WORK	P/U MUD MOTOR, M/U BIT, LOAD MWD TOOL & OREINT SAME
11:30	2.00	13:30	6	TRIPS	T.I.H. F/107' T/1182'
13:30	1.50	15:00	2	DRILL ACTUAL	TAG CEMENT @ 1182' DRLG CEMENT & FLOAT EQUIPMENT W/320 GPM, 25 RPM & 5-8K WT ON BIT
15:00	0.50	15:30	2	DRILL ACTUAL	DRILLING 7 7/8 PRUDCUTION (20') 40 FPH GPM=320 TOPDRIVE RPM=35 MOTOR RPM=54 TOTAL RPM=89 WT ON BIT=12K OFF BOTTOM PRESSURE=500 PSI DIFF PRESS=100-200 PSI TQ=3K
15:30	0.50	16:00	21	OPEN	SPOT HIGH VIS 25% LCM SWEEP. CLOSE ANNULAR AND USE B&C QUICK TEST TRUCK TO BRING PRESSURE TO 141 PSI FOR AN EMW OF 10.5 PPG USING 8.35 PPG DRILLING FLUID. PRESSURE BLED OFF TO 110 PSI 10.0 PPG EMW
16:00	1.50	17:30	2	DRILL ACTUAL	DRILLING 7 7/8 PRUDCUTION (244') 162.6 FPH GPM=320 TOPDRIVE RPM=35 MOTOR RPM=54 TOTAL RPM=89 WT ON BIT=12K OFF BOTTOM PRESSURE=500 PSI DIFF PRESS=100-200 PSI TQ=3K
17:30	0.50	18:00	7	LUBRICATE RIG	RIG SERVICE
18:00	12.00	06:00	2	DRILL ACTUAL	DRILLING 7 7/8 PRUDCUTION (1770') 147.5 FPH GPM=550 TOPDRIVE RPM=50 MOTOR RPM=110 TOTAL RPM=160 WT ON BIT=18K OFF BOTTOM PRESSURE=2020 PSI DIFF PRESS=300-550 PSI TQ=5K

13-30D-2-2 FD 1/22/2014 06:00 - 1/23/2014 06:00

API 43-047-54107	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status DRILLING	Total Depth (ftKB) 9,462.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	9.50	15:30	2	DRILL ACTUAL	DRILLING 7 7/8 PRUDCUTION (1391') 146.4 FPH GPM=550 TOPDRIVE RPM=50 MOTOR RPM=110 TOTAL RPM=160 WT ON BIT=18K OFF BOTTOM PRESSURE=2150 PSI DIFF PRESS=300-550 PSI TQ=8K
15:30	0.50	16:00	7	LUBRICATE RIG	RIG SERVICE
16:00	1.00	17:00	8	REPAIR RIG	WORK ON SHAKERS (CLEAN CUTTINGS OUT FROM UNDER SHAKER DECKS, REPLACE RUBBER SEALS, REPLACE SCREENS)
17:00	8.50	01:30	2	DRILL ACTUAL	DRILLING 7 7/8 PRUDCUTION (632') 74.3 FPH GPM=550 TOPDRIVE RPM=50 MOTOR RPM=110 TOTAL RPM=160 WT ON BIT=20K OFF BOTTOM PRESSURE=2250 PSI DIFF PRESS=200-400 PSI TQ=8K
01:30	0.50	02:00	7	LUBRICATE RIG	RIG SERVICE
02:00	4.00	06:00	2	DRILL ACTUAL	DRILLING 7 7/8 PRUDCUTION (127') 31.7 FPH GPM=550 TOPDRIVE RPM=55 MOTOR RPM=115 TOTAL RPM=160 WT ON BIT=21K OFF BOTTOM PRESSURE=2300 PSI DIFF PRESS=200-400 PSI TQ=10K

13-30D-2-2 FD 1/23/2014 06:00 - 1/24/2014 06:00

API 43-047-54107	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status DRILLING	Total Depth (ftKB) 9,462.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	5.00	11:00	2	DRILL ACTUAL	DRILLING 7 7/8 PRUDCUTION (295') 59 FPH GPM=550 TOPDRIVE RPM=65 MOTOR RPM=115 TOTAL RPM=170 WT ON BIT=23K OFF BOTTOM PRESSURE=2300 PSI DIFF PRESS=100-225 PSI TQ=11K
11:00	1.00	12:00	5	COND MUD & CIRC	PUMP HIGH VIS SWEEP
12:00	6.00	18:00	6	TRIPS	PUMP SLUG - BLOWDOWN TOP DRIVE & MUD LINES - FLOW CHECK - T.O.O.H. F/5723' T/O' - FILL HOLE WITH TRIP TANKS
18:00	0.50	18:30	20	DIRECTIONAL WORK	LAY DOWN DIRECTIONAL TOOLS - BREAK BIT - MAKE UP NEW BIT (HUGHES DP 506) PICK UP DIRECTIONAL TOOLS
18:30	5.00	23:30	6	TRIPS	T.I.H. F/O' T/5723' FILL PIPE EVERY 1500'
23:30	6.50	06:00	2	DRILL ACTUAL	DRILLING 7 7/8 PRUDCUTION (203') 31.2 FPH GPM=550 TOPDRIVE RPM=65 MOTOR RPM=115 TOTAL RPM=170 WT ON BIT=18K OFF BOTTOM PRESSURE=2375 PSI DIFF PRESS=75-150 PSI TQ=10K

13-30D-2-2 FD 1/24/2014 06:00 - 1/25/2014 06:00

API 43-047-54107	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status DRILLING	Total Depth (ftKB) 9,462.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	9.50	15:30	2	DRILL ACTUAL	DRILLING 7 7/8 PRUDCUTION (206') 21.6 FPH GPM=530 TOPDRIVE RPM=65 MOTOR RPM=106 TOTAL RPM=171 WT ON BIT=21K OFF BOTTOM PRESSURE=2050PSI DIFF PRESS=100-225 PSI TQ=9K
15:30	0.50	16:00	7	LUBRICATE RIG	RIG SERVICE
16:00	3.00	19:00	2	DRILL ACTUAL	DRILLING 7 7/8 PRUDCUTION (63') 21 FPH GPM=530 TOPDRIVE RPM=65 MOTOR RPM=106 TOTAL RPM=171 WT ON BIT=26K OFF BOTTOM PRESSURE=2050PSI DIFF PRESS=100-225 PSI TQ=9K
19:00	1.50	20:30	5	COND MUD & CIRC	CIRC BOTTOMS UP - PUMP SLUG - BLOWN DOWN TOP DRIVE AND MUD LINES - FLOW CHECK (NO FLOW)
20:30	5.00	01:30	6	TRIPS	T.O.O.H. FROM 6195' TO 0' - FILL HOLE WITH TRIP TANKS
01:30	1.50	03:00	20	DIRECTIONAL WORK	BREAK BIT - DRAIN MUD MOTOR AND LAY DOWN SAME - PICK UP NEW MUD MOTOR, MAKE UP NEW BIT, LOAD MWD TOOL AND OREINT SAME
03:00	3.00	06:00	6	TRIPS	T.I.H. FROM 0' TO 2922'

13-30D-2-2 FD 1/25/2014 06:00 - 1/26/2014 06:00

API 43-047-54107	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status DRILLING	Total Depth (ftKB) 9,462.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.00	08:00	6	TRIPS	T.I.H. FROM 2990' TO 6195' - WASH LAST 40' TO BOTTOM
08:00	8.00	16:00	2	DRILL ACTUAL	DRILLING 7 7/8 PRUDCUTION (232') 29 FPH GPM=530 TOPDRIVE RPM=50 MOTOR RPM=106 TOTAL RPM=156 WT ON BIT=16K OFF BOTTOM PRESSURE=2250PSI DIFF PRESS=100-225 PSI TQ=9K
16:00	0.50	16:30	7	LUBRICATE RIG	RIG SERVICE
16:30	13.50	06:00	2	DRILL ACTUAL	DRILLING 7 7/8 PRUDCUTION (506') 37.4 FPH GPM=530 TOPDRIVE RPM=50 MOTOR RPM=106 TOTAL RPM=156 WT ON BIT=19K OFF BOTTOM PRESSURE=2320PSI DIFF PRESS=150-225 PSI TQ=9K

13-30D-2-2 FD 1/26/2014 06:00 - 1/27/2014 06:00

API 43-047-54107	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status DRILLING	Total Depth (ftKB) 9,462.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	7.50	13:30	2	DRILL ACTUAL	DRILLING 7 7/8 PRUDCUTION (380') 50.6 FPH GPM=530 TOPDRIVE RPM=50 MOTOR RPM=106 TOTAL RPM=156 WT ON BIT=21K OFF BOTTOM PRESSURE=2250PSI DIFF PRESS=100-225 PSI TQ=9K
13:30	0.50	14:00	20	DIRECTIONAL WORK	DOWNLINK MWD TOOL TO HIGHER POWER SETTING (4)
14:00	5.50	19:30	2	DRILL ACTUAL	DRILLING 7 7/8 PRUDCUTION (169') 30.7 FPH GPM=530 TOPDRIVE RPM=50 MOTOR RPM=106 TOTAL RPM=156 WT ON BIT=23K OFF BOTTOM PRESSURE=2350PSI DIFF PRESS=100-275 PSI TQ=10K
19:30	0.50	20:00	20	DIRECTIONAL WORK	DOWNLINK MWD TOOL TO HIGHER POWER SETTING
20:00	1.50	21:30	2	DRILL ACTUAL	DRILLING 7 7/8 PRUDCUTION (84') 56 FPH GPM=530 TOPDRIVE RPM=50 MOTOR RPM=106 TOTAL RPM=156 WT ON BIT=25K OFF BOTTOM PRESSURE=2350PSI DIFF PRESS=150-325 PSI TQ=10K
21:30	0.50	22:00	20	DIRECTIONAL WORK	DOWN LINK MWD TOOL TO LOWER POWER SETTING

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
22:00	6.00	04:00	2	DRILL ACTUAL	DRILLING 7 7/8 PRUDCUTION (67') 11.1 FPH GPM=530 TOPDRIVE RPM=50 MOTOR RPM=106 TOTAL RPM=156 WT ON BIT=25K OFF BOTTOM PRESSURE=2350PSI DIFF PRESS=75-125 PSI TQ=9K
04:00	2.00	06:00	5	COND MUD & CIRC	FLOW CHECK (WELL FLOWING 2.8 BBLS/HR) - CIRC B/U RAISE MW FROM 9.4 TO 9.6 - BUILD SLUG

13-30D-2-2 FD 1/27/2014 06:00 - 1/28/2014 06:00

API 43-047-54107	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status DRILLING	Total Depth (ftKB) 9,462.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	5	COND MUD & CIRC	CIRCULATE TO RAISE MW TO 9.6 PPG
07:00	0.50	07:30	5	COND MUD & CIRC	FLOW CHECK (NO FLOW) BLOW DOWN TOP DRIVE AND MUD LINES
07:30	5.50	13:00	6	TRIPS	T.O.O.H. FROM 7633' TO 0'
13:00	0.50	13:30	20	DIRECTIONAL WORK	PULL MWD TOOL - BREAK BIT AND LAY DOWN MUD MOTOR
13:30	0.50	14:00	7	LUBRICATE RIG	RIG SERVICE
14:00	1.00	15:00	6	TRIPS	PICK UP MUD MOTOR AND MAKE UP NEW BIT - SCRIBE MOTOR LOAD MWD TOOL
15:00	1.50	16:30	6	TRIPS	T.I.H FROM 0' TO 1200'
16:30	1.50	18:00	9	CUT OFF DRILL LINE	CUT & SLIP 65' DRILL LINE -
18:00	1.00	19:00	8	REPAIR RIG	CHANGE OUT POWER SWIVEL MOTORS
19:00	6.50	01:30	6	TRIPS	T.I.H. FROM 1200' TO 7633' - HIT BRIDGES @AT 3100', 3500', 4400' WASH AND REAM LAST 40' TO BOTTOM
01:30	4.50	06:00	2	DRILL ACTUAL	DRILLING 7 7/8 PRUDCUTION (144') 32 FPH GPM=520 TOPDRIVE RPM=45 MOTOR RPM=104 TOTAL RPM=149 WT ON BIT=15K OFF BOTTOM PRESSURE=2440PSI DIFF PRESS=175-250PSI TQ=10K

13-30D-2-2 FD 1/28/2014 06:00 - 1/29/2014 06:00

API 43-047-54107	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status DRILLING	Total Depth (ftKB) 9,462.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	11.00	17:00	2	DRILL ACTUAL	DRILLING 7 7/8 PRUDCUTION (632') 57.5 FPH GPM=520 TOPDRIVE RPM=45 MOTOR RPM=104 TOTAL RPM=149 WT ON BIT=17K OFF BOTTOM PRESSURE=2450PSI DIFF PRESS=175-250PSI TQ=12K
17:00	0.50	17:30	7	LUBRICATE RIG	RIG SERVICE
17:30	12.50	06:00	2	DRILL ACTUAL	DRILLING 7 7/8 PRUDCUTION (691') 55.2FPH GPM=520 TOPDRIVE RPM=45 MOTOR RPM=104 TOTAL RPM=149 WT ON BIT=17K OFF BOTTOM PRESSURE=2700PSI DIFF PRESS=175-250PSI TQ=13K

13-30D-2-2 FD 1/29/2014 06:00 - 1/30/2014 06:00

API 43-047-54107	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status DRILLING	Total Depth (ftKB) 9,462.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	10.50	16:30	2	DRILL ACTUAL	DRILLING 7 7/8 PRUDCUTION FROM 9100' TO 9420' (320') 30.5 FPH GPM=520 TOPDRIVE RPM=45 MOTOR RPM=104 TOTAL RPM=149 WT ON BIT=19K OFF BOTTOM PRESSURE=2740PSI DIFF PRESS=175-250PSI TQ=14K
16:30	0.50	17:00	7	LUBRICATE RIG	RIG SERVICE
17:00	1.00	18:00	2	DRILL ACTUAL	DRILLING 7 7/8 PRUDCUTION FROM 9420' T/9462' (42') 42 FPH GPM=520 TOPDRIVE RPM=45 MOTOR RPM=104 TOTAL RPM=149 WT ON BIT=19K OFF BOTTOM PRESSURE=2740PSI DIFF PRESS=175-250PSI TQ=14K
18:00	1.50	19:30	5	COND MUD & CIRC	CIRC PUMP TWO HIGH VIS SWEEPS
19:30	1.00	20:30	6	TRIPS	T.O.O.H. FROM 9462' TO 9097' - PERFORM FLOW CHECK (WELL FLOWING) -
20:30	1.00	21:30	5	COND MUD & CIRC	CIRC - RAISE MUD WEIGHT FROM 9.7 PPG TO 9.85 PPG
21:30	3.50	01:00	6	TRIPS	FLOW CHECK (NO FLOW) WIPER TRIP FROM 9097' TO 7565' - FILL HOLE WITH TRIP TANKS - CALCULATED FILL=10.5 BBLS ACTUAL FILL=6 BBLS - T.I.H.
01:00	1.50	02:30	5	COND MUD & CIRC	CIRC 1 1/2 BOTTOMS UP - SPOT 80 BBL 11.2 PPG WEIGHTED PILL @ 8615' - PUMP DRY JOB
02:30	3.50	06:00	6	TRIPS	FLOW CHECK (NO FLOW) BLOW DOWN TOP DRIVE AND MUD LINE - T.O.O.H. FROM 9462' TO 7600'

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: fee
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: BILL BARRETT CORP		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		8. WELL NAME and NUMBER: FD 13-30D-2-2
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0450 FSL 1380 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 30 Township: 02.0S Range: 02.0E Meridian: U		9. API NUMBER: 43047541070000
PHONE NUMBER: 303 312-8134 Ext		9. FIELD and POOL or WILDCAT: UNDESIGNATED
COUNTY: UINTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 2/19/2014	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. This well had first production and first gas sales on 2/19/2014.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY February 20, 2014		
NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 2/20/2014	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: fee
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: BILL BARRETT CORP		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		8. WELL NAME and NUMBER: FD 13-30D-2-2
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0450 FSL 1380 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 30 Township: 02.0S Range: 02.0E Meridian: U		9. API NUMBER: 43047541070000
PHONE NUMBER: 303 312-8134 Ext		9. FIELD and POOL or WILDCAT: UNDESIGNATED
COUNTY: UINTAH		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 2/28/2014	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS
	<input type="checkbox"/> CHANGE TUBING
	<input type="checkbox"/> CHANGE WELL STATUS
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS
	<input type="checkbox"/> CONVERT WELL TYPE
	<input type="checkbox"/> DEEPEN
	<input type="checkbox"/> FRACTURE TREAT
	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE
	<input type="checkbox"/> PLUG AND ABANDON
	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME
	<input type="checkbox"/> RECLAMATION OF WELL SITE
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF
	<input type="checkbox"/> SI TA STATUS EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Attached is the February 2014 Drilling Activity for this well.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 March 03, 2014

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 3/3/2014	

**FD 13-30D-2-2 2/3/2014 06:00 - 2/4/2014 06:00**

API 43-047-54107	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status DRILLING	Total Depth (ftKB) 9,462.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	IWHD	Install Wellhead	CLEAN CELLAR. HSM. CHECK PRESSURE. ND NIGHT CAP. CUT AND DRESS 5-1/2" CSG. NU 7" 5K TBG HEAD AND TEST.

FD 13-30D-2-2 2/4/2014 06:00 - 2/5/2014 06:00

API 43-047-54107	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status DRILLING	Total Depth (ftKB) 9,462.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	WLWK	Wireline	MIRU HES. HSM. HAVE WRONG CENTRALIZER FOR RBL. RUN RMT AS WAIT FOR CENTRALIZER. RUN RBL UNDER PRESSURE. FC AT 9353'. TAGGED AT 9338' (15' FILL). TOC AT 2190'. LOG SHOWS CMT-- TD-8780' GOOD, 8780'-8500 FAIR, 8500'-8050' POOR, 8050'-7400' FAIR, 7400'-6800' FAIR WITH RATTY SPOTS, 6800'-5700' GOOD, 5700'-5100' FAIR WITH RATTY SPOTS, 5100'-3850' RATTY WITH GOOD SPOTS, 3850'-2190' POOR. SJ AT 7978'-8002' AND 8714'-8737'. RD HES AND NU NIGHT CAP. SECURE WELL.

FD 13-30D-2-2 2/10/2014 06:00 - 2/11/2014 06:00

API 43-047-54107	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status DRILLING	Total Depth (ftKB) 9,462.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	SET FRAC LINE. FILLING FRAC LINE SET DEADMEN. BATTERY UNDER CONSTRUCTION.

FD 13-30D-2-2 2/11/2014 06:00 - 2/12/2014 06:00

API 43-047-54107	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status DRILLING	Total Depth (ftKB) 9,462.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	FILLING FRAC LINE. BATTERY UNDER CONSTRUCTION.

FD 13-30D-2-2 2/12/2014 06:00 - 2/13/2014 06:00

API 43-047-54107	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status DRILLING	Total Depth (ftKB) 9,462.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	BATTERY UNDER CONSTRUCTION. FILLING FRAC LINE. PLUMB IN FB EQUIP. NU FRAC MANDREL ,5" 10K FRAC VA.VES, AND FRAC HEAD. PRES TEST CSG TO 6200 PSI. TEST FB EQUIP. BOND IN EQUIP. SET LEL TRAILER.

FD 13-30D-2-2 2/13/2014 06:00 - 2/14/2014 06:00

API 43-047-54107	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status DRILLING	Total Depth (ftKB) 9,462.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	BATTERY UNDER COSTRUCTION. FINISH FILLING FRAC LINE

FD 13-30D-2-2 2/14/2014 06:00 - 2/15/2014 06:00

API 43-047-54107	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status DRILLING	Total Depth (ftKB) 9,462.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	HEAT FRAC LINE

FD 13-30D-2-2 2/15/2014 06:00 - 2/16/2014 06:00

API 43-047-54107	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status DRILLING	Total Depth (ftKB) 9,462.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	ROAD EQUIP TO LOCATION. HSM.
07:00	2.50	09:30	SRIG	Rig Up/Down	SPOT AND RU CASED HOLE SOLUTIONS WITH 5" 5K LUBE.
09:30	1.50	11:00	PFRT	Perforating	MIRU CASED HOLE WITH 10K LUB. PU GUNS FOR STG 1. RIH AND CORRELATE TO SJ AT 8713'-8737'. RUN DOWN AND PERF UTELAND BUTTE FORM 9026'-9291' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. SHUT WELL IN
11:00	5.00	16:00	SRIG	Rig Up/Down	MIRU HES FRAC FLEET.
16:00	14.00	06:00	LOCL	Lock Wellhead & Secure	WELL SECURE FOR NIGHT.

FD 13-30D-2-2 2/16/2014 06:00 - 2/17/2014 06:00

API 43-047-54107	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status DRILLING	Total Depth (ftKB) 9,462.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	4.50	10:30	SMTG	Safety Meeting	HES AOL 05:30. QC FLUIDS. PRIME PUMPS AND CHEMS. TROUBLES WITH PUMP. GO THRU 2 PUMPS. HYDRAULICS ON CHEM ADD DIED. SWITCH CHEMS AROUND. HSM- RED ZONE, PPE, SMOKING AREA, WIRELINE, HIGH PRESSURE.
10:30	2.25	12:45	FRAC	Frac. Job	FRAC STG 1 PRESSURE TEST LINES TO 7300 PSI. OPEN WELL W/ 307 PSI AT 10:36 BREAK DOWN 2888 PSI AT 4.7 BPM. PMP 3900 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.0 BPM AT 2801 PSI. FLUSH W/ 8813 GAL. 29.9 BPM AT 3410 PSI. ATTEMPT BALL OUT. SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL. STAGE FR PAD. STABLE RATE OF 57.4 BPM AT 4464 PSI. ISDP 2867. FG .75. PERFS OPEN 37/45 ISIP 3652, FG .84, MAX RATE 71.2 BPM, AVE RATE 70.4 BPM, MAX PRES 5664 PSI, AVE PRES 4836 PSI 20/40 WHITE 135,099 lbs 2.0, 3.0, 4.0, 5.0. CUT SAND SHORT ON 5# DUE TO PRESSURE INCREASE. SLK WTR 1347 BBL 20# HYBOR G (16) 1287 BBL BTR 2727 BBLs SHUT IN AND TURN OVER TO CASED HOLE.
12:45	1.75	14:30	PFRT	Perforating	PERF STG #2- PU EXELIS 5-1/2" 10K CBP AND GUNS FOR STAGE 2 INTO LUBE AND EQUALIZE 2750 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 8713'-8737'. RUN DOWN AND SET 5-1/2" CBP AT 9018' WITH 2700 PSI. PULL UP AND PERF CASTLE PEAK AND UTELAND BUTTE FORM 8733'-9005' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. SHUT IN WITH 2450 PSI. HAD HIGH WINDS, WAIT FOR WIND TO DIE DOWN FOR CRANE SAFETY BEFORE REMOVING LUBE FROM WH. TURN WELL OVER TO HES.
14:30	2.00	16:30	FRAC	Frac. Job	(FINISH SWAPPING 1 PUMP, FINISH REPACKING 1 PUMP, PRIME UP) FRAC STG 2 PRESSURE TEST LINES TO 7300 PSI. OPEN WELL W/ 2496 PSI AT 15:07 BREAK DOWN 3221 PSI AT 10.2 BPM. PMP 3900 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.3 BPM AT 3075 PSI. FLUSH W/ 8527 GAL. 30.6 BPM AT 3535 PSI. ATTEMPT BALL OUT. SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL. STAGE FR PAD. STABLE RATE OF 70.4 BPM AT 4575 PSI. ISDP 2819. FG .76. PERFS OPEN 37/45 ISIP 3356, FG .82, MAX RATE 73.5 BPM, AVE RATE 71.2 BPM, MAX PRES 5353 PSI, AVE PRES 4267 PSI 20/40 WHITE 135,099 lbs 2.0, 3.0, 4.0, (EXTEND 4.0 AND CUT SHORT DUE TO PRESSURE INCREASE) SLK WTR 1237 BBL 20# HYBOR G (16) 1140 BBL BTR 2470 BBLs SHUT IN AND TURN OVER TO CASED HOLE. CRANE CALLED SAFETY SHUT DOWN DUE TO HIGH WINDS.
16:30	13.50	06:00	LOCL	Lock Wellhead & Secure	WELL SHUT IN AND SECURE. CRANE SHUT DOWN FOR SAFETY DUE TO HIGH WINDS.

**FD 13-30D-2-2 2/17/2014 06:00 - 2/18/2014 06:00**

API 43-047-54107	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status DRILLING	Total Depth (ftKB) 9,462.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.00	06:00	SMTG	Safety Meeting	AOL 05:00. HSM. PERF, PRESSURE, OVERHEAD LOADS, FRAC, REDZONE.
06:00	1.50	07:30	PFRT	Perforating	PERF STG #3- PU EXELIS 5-1/2" 10K CBP AND GUNS FOR STAGE 3 INTO LUBE AND EQUALIZE 2500 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 7978'-8002'. RUN DOWN AND SET 5-1/2" CBP AT 8709' WITH 2500 PSI. PULL UP AND PERF DOUGLAS CREEK, BLACK SHALE AND CASTLE PEAK FORM 8492'-8692' WITH 39 HOLES IN 13' NET. POOH AND VERIFY ALL GUNS SHOT. SHUT IN WITH 2300 PSI. TURN WELL OVER TO HES.
07:30	2.75	10:15	FRAC	Frac. Job	HSM WITH HES. FRAC STG 3 PRESSURE TEST LINES TO 7300 PSI. OPEN WELL W/ 1190 PSI AT 07:55 BREAK DOWN 4913 PSI AT 9.8 BPM. PMP 3900 GAL 15% HCL ACID W/ 78 BIO BALLS FOR DIVERSION. 10.0 BPM AT 2960 PSI. FLUSH W/ 8292 GAL. 29.4 BPM AT 3380 PSI. ATTEMPT BALL OUT. SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL. STAGE FR PAD. STABLE RATE OF 70.4 BPM AT 4575 PSI. ISDP 2819. FG .76. PERFS OPEN 37/45 CUT SAND IN 5# AS PRESSURE INCREASE. SCREEN OFF WITH 20,000 lbs IN WELLBORE. PRESSURE TO 6200 PSI. SHUT DOWN. OPEN AND FLOW BACK 254 BBLs. ABLE TO REFLUSH W/ 8687 GAL. ISIP 2976, FG .78, MAX RATE 72.6 BPM, AVE RATE 70.6 BPM, MAX PRES 6823 PSI, AVE PRES 4104 PSI 20/40 WHITE 132,290 lbs 2.0, 3.0, 4.0, 5.0 SLK WTR 998 BBL 20# HYBOR G (16) 1546 BBL BTR 2637 BBLs SHUT IN AND TURN OVER TO CASED HOLE.
10:15	1.25	11:30	PFRT	Perforating	PERF STG #4- PU EXELIS 5-1/2" 10K CBP AND GUNS FOR STAGE 4 INTO LUBE AND EQUALIZE 2500 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 7978'-8002'. RUN DOWN AND SET 5-1/2" CBP AT 8307' WITH 2500 PSI. PULL UP AND PERF DOUGLAS CREEK FORM 8189'-8446' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. SHUT IN WITH 2300 PSI. TURN WELL OVER TO HES.
11:30	1.50	13:00	FRAC	Frac. Job	FRAC STG 4 PRESSURE TEST LINES TO 7300 PSI. OPEN WELL W/ 2000 PSI AT 11:42 BREAK DOWN 3277 PSI AT 9.0 BPM. PMP 3900 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 9.3 BPM AT 2924 PSI. FLUSH W/ 7996 GAL. 30.1 BPM AT 3652 PSI. ATTEMPT BALL OUT. SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL. STAGE FR PAD. STABLE RATE OF 50.2 BPM AT 5022 PSI. ISDP 2823. FG .78. PERFS OPEN 43/45 (BLENDER HAVING ISSUES WITH SUCTION, UNABLE TO MAINTAIN RATE) (CUT SAND AT 3.5# DUE TO INCREASE OF PRESSURE) ISIP 3064, FG .81, MAX RATE 70.6 BPM, AVE RATE 67.6 BPM, MAX PRES 5526 PSI, AVE PRES 3714 PSI 20/40 WHITE 138,000 lbs 2.0 - 4.0 RAMP. SLK WTR 1204 BBL 20# HYBOR G (16) 1328 BBL BTR 2625 BBLs SHUT IN AND TURN OVER TO CASED HOLE. (SOMEONE BUMP A SUCTION VALVE OPEN, WAS NOT FOUND TILL SHUT DOWN)
13:00	1.25	14:15	PFRT	Perforating	PERF STG #5- PU EXELIS 5-1/2" 10K CBP AND GUNS FOR STAGE 5 INTO LUBE AND EQUALIZE 2800 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 7978'-8002'. RUN DOWN AND SET 5-1/2" CBP AT 8183' WITH 2750 PSI. PULL UP AND PERF DOUGLAS CREEK FORM 7875'-8163' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. SHUT IN WITH 2650 PSI. TURN WELL OVER TO HES.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
14:15	1.75	16:00	FRAC	Frac. Job	FRAC STG 5 PRESSURE TEST LINES TO 7300 PSI. OPEN WELL W/ 2381 PSI AT 14:32 BREAK DOWN 2662 PSI AT 10.4 BPM. PMP 3900 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 9.4 BPM AT 2627 PSI. FLUSH W/ 7689 GAL. 30.1 BPM AT 3384 PSI. ATTEMPT BALL OUT. SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL. STAGE FR PAD. STABLE RATE OF 27.2 BPM AT 4500 PSI. ISDP 2179. FG .71. PERFS OPEN 22/45 ISIP 1805, FG .66, MAX RATE 71.6 BPM, AVE RATE 32.9 BPM, MAX PRES 4983 PSI, AVE PRES 3568 PSI 100 MESH 10,140 LBS 1.0 20/40 WHITE 160,000 lbs 2.0 - 4.0 RAMP. SLK WTR 1320 BBL 20# HYBOR G (16) 1512 BBL BTR 2924 BBLS SHUT IN AND TURN OVER TO CASEDHOLE.
16:00	1.25	17:15	WLWK	Wireline	PU EXELIS 5-1/2" CBP AND SETTING TOOLS. EQUALIZE 1800 PSI AND RIH. (SJ COVERED). SET KILL PLUG AT 7825' WITH 1550 PSI. BLEED WELL OFF AS POOH. SHUT IN AND SECURE WELL.
17:15	2.00	19:15	SRIG	Rig Up/Down	RDMO HES AND CASEDHOLE. FUEL REPORT HES DIESEL 4223 GAL CASEDHOLE DIESEL 130 GAL CF WINN DIESEL 7 GAL DELSCO DIESEL 15 GAL CC OLSEN DIESEL 40 GAL
19:15	10.75	06:00	LOCL	Lock Wellhead & Secure	WELL SHUT IN AND SECURE.

FD 13-30D-2-2 2/18/2014 06:00 - 2/19/2014 06:00

API 43-047-54107	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status DRILLING	Total Depth (ftKB) 9,462.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HSM.
07:00	2.00	09:00	SRIG	Rig Up/Down	ROAD RIG TO LOCATION. SPOT AND RUSU.
09:00	1.50	10:30	BOPI	Install BOP's	CHECK PRESSURE ON WELL. ND FRAC VALVES. NU 7" 5K BOP AND HYDRIL. RU FLOOR.
10:30	2.00	12:30	GOP	General Operations	SPOT CATWALK AND RACKS. UNLOAD 303-JTS 2-7/8" L-80 TBG. LAY PUMP LINES.
12:30	4.50	17:00	RUTB	Run Tubing	MU 4-3/4" BIT, POBS, 1-JT 2-7/8", 2.31 XN NIPPLE AND RIH AS MEAS AND PU 245-JTS 2-7/8" L-80 TBG. TAG KILL PLUG AT 7825' LD 1-JT.
17:00	1.00	18:00	SRIG	Rig Up/Down	RU DRLG EQUIP. SDFN W/ EOT AT 7789'. DRAIN LINES.
18:00	12.00	06:00	LOCL	Lock Wellhead & Secure	CREW TRAVEL. WELL SECURE FOR NIGHT. FUEL REPORT STONE DIESEL 90 GAL STONE GAS 10 GAL MBT DIESEL 20 GAL CF WINN 12 GAL

FD 13-30D-2-2 2/19/2014 06:00 - 2/20/2014 06:00

API 43-047-54107	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status DRILLING	Total Depth (ftKB) 9,462.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HSM.
07:00	1.00	08:00	PTST	Pressure Test	FILL TBG. PRESSURE TEST SWIVEL, BOP, RAMS, AND HYDRIL TO 2500 PSI. GOOD.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
08:00	4.00	12:00	DOPG	Drill Out Plugs	EST CIRC AND D/O PLUGS AS PUMP 1-2 BPM. CBP #1 AT 7825'. C/O 0' SAND. D/O PLUG IN 13 MIN. FCP 700 PSI ON 28/64". RIH. START SHOWING OIL AND GAS, GO TO TREATER. CBP #2 AT 8183'. C/O 65' SAND. LOTS OF CHATTER AND TORQUE AS DRILL PLUG REMAINS AND THRU SAND. DRILL ON PLUG AND NOT MAKING ANY HOLE. PU AND CHECK, HAVE FLOW UP TBG WITH 800 PSI ON 20/64". SUSPECT POBS SHIFTED AND OFF.
12:00	1.00	13:00	GOP	General Operations	RD PWR SWIVEL. SECURE TBG. FLOW TO TREATER TO BRING PRESSURES DOWN. FLOWING 500 PSI ON 28/64, MAKING 140 BPH. TURN OVER TO FBC.
13:00	17.00	06:00	FBCK	Flowback Well	CREW TRAVEL. FLOW WELL TO GET PRESSURE DOWN. FUEL REPORT STONE DIESEL 70 GAL STONE GAS 5 GAL CF WINN DIESEL 7 GAL DELSKO DIESEL 10 GAL

FD 13-30D-2-2 2/20/2014 06:00 - 2/21/2014 06:00

API 43-047-54107	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status DRILLING	Total Depth (ftKB) 9,462.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HOLD SAFETY MEETING.
07:00	2.00	09:00	WKLL	Kill Well	FCP- 200. PUMP 50 BBLS 2%, 170 BBLS 10# BRINE. WELL DEAD.
09:00	2.50	11:30	PULT	Pull Tubing	POOH W/ BOTTOM HALF POBS. SHOWED LOTS OF WEAR.
11:30	2.50	14:00	RUTB	Run Tubing	P/U 4-11/16 OVERSHOT W/ 3-3/4 GRAPPLE, & BUMPER SUB. RIH TO FISH TOP @ 8180'. SLIGHT FLOW ON CSG.
14:00	2.50	16:30	GOP	General Operations	R/U POWER SWIVEL. PUMP 50 BBLS 2% DOWN TBG, WORK OVERSHOT DOWN TO +/- 8182'. R/D SWIVEL. CSG FLOWING BACK +/- 1.5 BPM. PUMP 50 BBLS BRINE DOWN TBG. PULL ABOVE PERFS. PULLING WET. SDFN. TURN OVER TO FLOWBACK.
16:30	13.50	06:00	LOCL	Lock Wellhead & Secure	WELL SECURE. CREW TRAVEL.
06:00		06:00			FUEL REPORT STONE DIESEL 90 GAL STONE GAS 5 GAL DELSKO DIESEL 20 GAL

FD 13-30D-2-2 2/21/2014 06:00 - 2/22/2014 06:00

API 43-047-54107	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status DRILLING	Total Depth (ftKB) 9,462.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HOLD SAFETY MEETING.
07:00	1.50	08:30	WKLL	Kill Well	KILL WELL W/ 180 BBLS BRINE WATER.
08:30	2.50	11:00	PULT	Pull Tubing	POOH W/ OVERSHOT, RECOVERED BIT & BIT SUB. LOST ONE CONE OFF BIT IN HOLE. L/D TOOLS.
11:00	1.00	12:00	DTIM	Downtime	WAIT ON JUNK MILL.
12:00	2.50	14:30	RUTB	Run Tubing	RIH TO CFP @ 8183' W/ 4-3/4 JUNK MILL, POBS, 1 JT 2-7/8 TBG & 2.31 XN-NIPPLE. SLOW TRIPPING DUE TO HIGH WINDS.
14:30	3.50	18:00	DOPG	Drill Out Plugs	R/U SWIVEL. BREAK CIRC & CIRC BRINE WATER OUT. D/O CFP @ 8183', NO SAND. FCP- 150 ON 64/64 CHOKE. CIRC WELL CLEAN. R/D SWIVEL. TURN WELL OVER TO FLOWBACK. SDFN.
18:00	12.00	06:00	LOCL	Lock Wellhead & Secure	WELL SECURE. CREW TRAVEL.
06:00		06:00			FUEL REPORT STONE DIESEL 90 GAL. STONE GAS 5 GAL RBS- DIESEL 5 GAL DELSKO DIESEL 20 GAL MBT- 100 GAL DIESEL.

FD 13-30D-2-2 2/22/2014 06:00 - 2/23/2014 06:00

API 43-047-54107	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status DRILLING	Total Depth (ftKB) 9,462.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HOLD SAFETY MEETING.
07:00	8.00	15:00	GOP	General Operations	<p>FCP- 80 ON 28/64 CHOKE. RIH F/ 8235' W/ 4-3/4 JUNK MILL., TAG SAND @ 8406'. R/U SWIVEL. BREAK CIRC. C/O SAND & D/O CBP @ 8466'. FCP- 200 ON 28/64 CHOKE.</p> <p>SWIVEL IN HOLE. TAG SAND @ 8684'. C/O SAND & D/O CBP @ 8709'. FCP- 500 PSI ON 28/64 CHOKE.</p> <p>SWIVEL IN HOLE. TAG SAND @ 8993'. C/O SAND & D/O CBP @ 9018'. FCP- 1000 PSI ON 24/64 CHOKE.</p> <p>SWIVEL IN HOLE. TAG SAND @ 9291'. C/O SAND TO F/C @ 9353'. D/O F/C, C/O SAND TO 9376' PBTD. CIRC WELL CLEAN. R/D SWIVEL.</p>
15:00	1.50	16:30	PULT	Pull Tubing	PULL ABOVE PERFS L/D 2-7/8 TBG TO 7768' & LAND TBG. 2244 JTS TOTAL IN HOLE.
16:30	2.00	18:30	BOPI	Install BOP's	R/D FLOOR. N/D BOPE. N/U WELLHEAD. DROP BALL DOWN TBG & PUMPED BIT OFF @ 2000 PSI. R/U TO SALES LINE. TURN OVER TO FLOWBACK. SICP- 640, FCP -640 ON 20/64 CHOKE. SDFN. DUE TO HIGH WINDS, DID NOT RIG DOWN.
18:30	11.50	06:00	LOCL	Lock Wellhead & Secure	CREW TRAVEL. WELL SECURE.
06:00		06:00			<p>FUEL REPORT</p> <p>STONE DIESEL 90 GAL. STONE GAS 5 GAL</p> <p>RC CONSULTING- DIESEL 15 GAL.</p> <p>DELSCO DIESEL 20 GAL</p> <p>MBT- 200 GAL DIESEL.</p>

FD 13-30D-2-2 2/26/2014 06:00 - 2/27/2014 06:00

API 43-047-54107	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status DRILLING	Total Depth (ftKB) 9,462.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	WLWK	Wireline	MIRU SLB. RUN DEPTH DETERMINATION TOOLS. RIH W/ PROD LOG TOOLS. WELL QUIT FLOWING. BYPASS TREATER TO GET LOGS. RDMO SLB.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MININGAMENDED REPORT ☐ FORM 8
(highlight changes)5. LEASE DESIGNATION AND SERIAL NUMBER:
FEE

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME

8. WELL NAME and NUMBER:
FD 13-30D-2-29. API NUMBER:
430475410710 FIELD AND POOL, OR WILDCAT
Undesignated11. QTR/QTR, SECTION, TOWNSHIP, RANGE,
MERIDIAN:
SESW 30 2S 2E U12. COUNTY
Uintah13. STATE
UTAH1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHERb. TYPE OF WORK: NEW WELL ☒ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER2. NAME OF OPERATOR:
Bill Barrett Corporation3. ADDRESS OF OPERATOR:
1099 18th St Ste 2300 CITY Denver STATE CO ZIP 80202PHONE NUMBER:
(303) 293-9100

4. LOCATION OF WELL (FOOTAGES)

AT SURFACE: 0450 FSL 1380FWL

AT TOP PRODUCING INTERVAL REPORTED BELOW: 835 FSL 809 FWL

AT TOTAL DEPTH: 795 FSL 822 FWL

14. DATE SPUDDED:
1/9/201415. DATE T.D. REACHED:
1/29/201416. DATE COMPLETED:
2/19/2014ABANDONED ☐READY TO PRODUCE ☒17. ELEVATIONS (DF, RKB, RT, GL):
5009 GL18. TOTAL DEPTH: MD 9,463
TVD 9,42319. PLUG BACK T.D.: MD 9,354
TVD 9,314

20. IF MULTIPLE COMPLETIONS, HOW MANY? *

21. DEPTH BRIDGE MD
PLUG SET: TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)

TRIPLE COMBO/MUD

23.

WAS WELL CORED?

NO ☒YES ☐

(Submit analysis)

WAS DST RUN?

NO ☒YES ☐

(Submit report)

DIRECTIONAL SURVEY?

NO ☐YES ☒

(Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS		SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
26	16 Conq	65#	0	80	80				0	
12 1/4	8 5/8 J-55	24#	0	1,230	1,244	Lead	160	90	0	
						Tail	270	66		
7 7/8	5 1/2 I-80	17#	0	9,450	9,462	Tuned	680	283	3412	
						ECON	540	139		

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 7/8	7,965							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) Green River	7,881	9,291		
(B)				
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS	
7,881 9,291	.38	228	Open <input checked="" type="checkbox"/>	Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
7881-9291	Green River: See attached Stage 1-5

29. ENCLOSED ATTACHMENTS:

☒ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☒ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER: _____

30. WELL STATUS:

POW

31. INITIAL PRODUCTION**INTERVAL A (As shown in item #26)**

DATE FIRST PRODUCED: 2/19/2014		TEST DATE: 2/24/2014		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL – BBL: 502	GAS – MCF: 71	WATER – BBL: 306	PROD. METHOD: Flowing
CHOKE SIZE: 28/64	TBG. PRESS. 200	CSG. PRESS. 400	API GRAVITY 52.00	BTU – GAS 1	GAS/OIL RATIO 141	24 HR PRODUCTION RATES: →	OIL – BBL: 502	GAS – MCF: 71	WATER – BBL: 306	INTERVAL STATUS:

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

Sold

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				Green River	5,550
				Mahogany	6,758
				TGR3	7,872
				Douglas Creek	8,061
				Black Shale Facies	8,571
				Castle Peak	8,658
				Uteland Butte	8,879
				Wasatch	9,330

35. ADDITIONAL REMARKS (Include plugging procedure)

TOC calculated by CBL. Conductor cemented with grout. First gas sales 2/19/2014, first oil sales 2/24/2014

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.
NAME (PLEASE PRINT) Christina HirtlerTITLE Permit Analyst

SIGNATURE _____

DATE 3/21/2014

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

13-30D-2-2 FD Report Continued*

44. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. (cont.)			
AMOUNT AND TYPE OF MATERIAL			
<u>Stage</u>	<u>bbls Slurry</u>	<u>lbs 20/40 Premium White</u>	<u>gal 15% HCl Acid</u>
1	2728	135099	3831
2	2470	132700	3900
3	2637	132290	3900
4	2625	138000	3740
5	3337	140500	3991

*Depth intervals for frac information same as perforation record intervals.



Payzone Directional

End of Well Report



Company:	Bill Barrett Corporation	Local Co-ordinate Reference:	Well FD 13-30D-2-2
Project:	Duchesne County, UT	TVD Reference:	FD 13-30D-2-2 @ 5022.0usft (Capstar 328)
Site:	SECTION 30 T2S, R2E	MD Reference:	FD 13-30D-2-2 @ 5022.0usft (Capstar 328)
Well:	FD 13-30D-2-2	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 5000.1 Single User Db

Project		Duchesne County, UT	
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Southern Zone		

Site		SECTION 30 T2S, R2E			
Site Position:		Northing:		11,162,715.62 usft	
From:		Easting:		2,110,805.30 usft	
Position Uncertainty:		Slot Radius:		13-3/16 "	
Lat/Long		Latitude:		40° 16' 45.890 N	
0.0 usft		Longitude:		109° 48' 56.030 W	
		Grid Convergence:		1.03 °	

Well		FD 13-30D-2-2, SHL LAT: 40.274203 LONG: -109.816417				
Well Position	+N-S	0.0 usft	Northing:	11,160,811.49 usft	Latitude:	40° 16' 27.130 N
	+E-W	0.0 usft	Easting:	2,110,601.32 usft	Longitude:	109° 48' 59.101 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	5,022.0 usft	Ground Level:	5,009.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	1/16/2014	10.91	65.96	52,176

Design		Actual		
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth:
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	301.75

Survey Program		Date	2/4/2014		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
121.0	9,463.0	Survey #1 (Wellbore #1)	MWD	MWD v3:standard declination	



Payzone Directional

End of Well Report



Company:	Bill Barrett Corporation	Local Co-ordinate Reference:	Well FD 13-30D-2-2
Project:	Duchesne County, UT	TVD Reference:	FD 13-30D-2-2 @ 5022.0usft (Capstar 328)
Site:	SECTION 30 T2S, R2E	MD Reference:	FD 13-30D-2-2 @ 5022.0usft (Capstar 328)
Well:	FD 13-30D-2-2	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 5000.1 Single User Db

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
121.0	0.71	176.43	121.0	-0.4	-0.8	0.0	0.59	0.59	0.00	
210.0	0.62	186.30	210.0	-1.0	-1.8	0.0	0.16	-0.10	11.09	
300.0	0.31	168.32	300.0	-1.3	-2.5	0.0	0.38	-0.34	-19.98	
392.0	0.31	206.90	392.0	-1.5	-3.0	0.0	0.22	0.00	41.93	
483.0	0.80	197.70	483.0	-1.7	-3.8	-0.3	0.55	0.54	-10.11	
575.0	0.60	198.80	575.0	-2.0	-4.9	-0.7	0.22	-0.22	1.20	
666.0	0.80	173.40	666.0	-2.5	-5.9	-0.8	0.40	0.22	-27.91	
756.0	0.70	201.80	756.0	-3.0	-7.1	-0.9	0.42	-0.11	31.56	
842.0	1.00	185.30	842.0	-3.4	-8.3	-1.2	0.45	0.35	-19.19	
927.0	0.70	183.80	926.9	-4.0	-9.6	-1.3	0.35	-0.35	-1.76	
1,011.0	0.88	166.40	1,010.9	-4.7	-10.7	-1.2	0.35	0.21	-20.71	
1,095.0	0.88	180.00	1,094.9	-5.4	-12.0	-1.0	0.25	0.00	16.19	
1,179.0	1.19	175.80	1,178.9	-6.3	-13.5	-0.9	0.38	0.37	-5.00	
1,330.0	1.28	181.49	1,329.9	-8.1	-16.7	-0.9	0.10	0.06	3.77	
1,372.0	1.02	171.80	1,371.9	-8.5	-17.6	-0.8	0.77	-0.62	-23.07	
1,456.0	1.10	326.70	1,455.9	-8.3	-17.7	-1.2	2.46	0.10	184.40	
1,541.0	2.80	316.10	1,540.8	-5.5	-15.5	-3.1	2.04	2.00	-12.47	
1,625.0	3.80	317.20	1,624.7	-0.9	-12.0	-6.4	1.19	1.19	1.31	
1,709.0	5.10	310.50	1,708.4	5.5	-7.5	-11.1	1.66	1.55	-7.98	
1,793.0	5.90	309.80	1,792.0	13.5	-2.3	-17.3	0.96	0.95	-0.83	
1,878.0	7.10	314.20	1,876.5	22.9	4.2	-24.4	1.53	1.41	5.18	
1,962.0	6.80	311.60	1,959.9	32.9	11.1	-31.8	0.52	-0.36	-3.10	
2,046.0	7.00	310.60	2,043.3	42.8	17.7	-39.4	0.28	0.24	-1.19	
2,130.0	6.80	303.50	2,126.6	52.9	23.8	-47.5	1.04	-0.24	-8.45	
2,215.0	7.50	304.20	2,211.0	63.4	29.7	-56.2	0.83	0.82	0.82	
2,299.0	7.20	302.70	2,294.3	74.2	35.6	-65.2	0.42	-0.36	-1.79	



Payzone Directional

End of Well Report



Company:	Bill Barrett Corporation	Local Co-ordinate Reference:	Well FD 13-30D-2-2
Project:	Duchesne County, UT	TVD Reference:	FD 13-30D-2-2 @ 5022.0usft (Capstar 328)
Site:	SECTION 30 T2S, R2E	MD Reference:	FD 13-30D-2-2 @ 5022.0usft (Capstar 328)
Well:	FD 13-30D-2-2	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 5000.1 Single User Db

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	
2,383.0	7.60	305.40	2,377.6	85.0	41.7	-74.2	0.63	0.48	3.21	
2,468.0	7.70	306.90	2,461.8	96.3	48.3	-83.3	0.26	0.12	1.76	
2,552.0	8.00	305.20	2,545.1	107.7	55.1	-92.6	0.45	0.36	-2.02	
2,636.0	7.80	305.00	2,628.3	119.2	61.7	-102.0	0.24	-0.24	-0.24	
2,721.0	7.90	306.70	2,712.5	130.8	68.5	-111.4	0.30	0.12	2.00	
2,805.0	8.10	307.90	2,795.6	142.5	75.6	-120.7	0.31	0.24	1.43	
2,889.0	7.40	305.20	2,878.9	153.7	82.4	-129.8	0.94	-0.83	-3.21	
2,973.0	7.70	306.60	2,962.1	164.7	88.8	-138.8	0.42	0.36	1.67	
3,058.0	7.30	306.20	3,046.4	175.8	95.4	-147.7	0.47	-0.47	-0.47	
3,142.0	7.20	303.90	3,129.7	186.4	101.5	-156.4	0.37	-0.12	-2.74	
3,184.0	7.10	304.10	3,171.4	191.6	104.4	-160.7	0.25	-0.24	0.48	
3,226.0	7.30	304.50	3,213.1	196.9	107.4	-165.0	0.49	0.48	0.95	
3,268.0	7.11	305.35	3,254.8	202.1	110.4	-169.4	0.52	-0.45	2.02	
3,310.0	7.20	308.01	3,296.4	207.3	113.5	-173.6	0.82	0.21	6.33	
3,353.0	7.11	307.31	3,339.1	212.7	116.8	-177.8	0.29	-0.21	-1.63	
3,395.0	7.20	306.21	3,380.8	217.9	120.0	-182.0	0.39	0.21	-2.62	
3,437.0	6.81	305.41	3,422.5	223.0	123.0	-186.1	0.96	-0.93	-1.90	
3,479.0	6.72	303.30	3,464.2	227.9	125.7	-190.2	0.63	-0.21	-5.02	
3,521.0	7.51	304.50	3,505.8	233.1	128.6	-194.5	1.91	1.88	2.86	
3,564.0	7.60	309.11	3,548.5	238.7	132.0	-199.1	1.42	0.21	10.72	
3,606.0	7.29	308.30	3,590.1	244.2	135.4	-203.3	0.78	-0.74	-1.93	
3,648.0	7.20	307.62	3,631.8	249.4	138.7	-207.5	0.30	-0.21	-1.62	
3,690.0	7.11	308.01	3,673.5	254.6	141.9	-211.6	0.24	-0.21	0.93	
3,732.0	6.89	308.10	3,715.1	259.7	145.1	-215.6	0.52	-0.52	0.21	
3,774.0	7.20	306.51	3,756.8	264.8	148.2	-219.7	0.87	0.74	-3.79	
3,816.0	7.82	305.70	3,798.5	270.3	151.4	-224.2	1.50	1.48	-1.93	
3,859.0	7.82	306.03	3,841.1	276.1	154.8	-228.9	0.10	0.00	0.77	



Payzone Directional

End of Well Report



Company:	Bill Barrett Corporation	Local Co-ordinate Reference:	Well FD 13-30D-2-2
Project:	Duchesne County, UT	TVD Reference:	FD 13-30D-2-2 @ 5022.0usft (Capstar 328)
Site:	SECTION 30 T2S, R2E	MD Reference:	FD 13-30D-2-2 @ 5022.0usft (Capstar 328)
Well:	FD 13-30D-2-2	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 5000.1 Single User Db

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	
3,901.0	7.91	306.91	3,882.7	281.9	158.3	-233.5	0.36	0.21	2.10	
3,943.0	7.60	306.21	3,924.3	287.5	161.6	-238.1	0.77	-0.74	-1.67	
3,985.0	7.60	306.69	3,965.9	293.1	164.9	-242.6	0.15	0.00	1.14	
4,027.0	8.09	307.40	4,007.5	298.8	168.4	-247.1	1.19	1.17	1.69	
4,069.0	8.00	306.82	4,049.1	304.6	171.9	-251.8	0.29	-0.21	-1.38	
4,111.0	7.82	307.31	4,090.7	310.4	175.4	-256.4	0.46	-0.43	1.17	
4,153.0	7.38	307.00	4,132.3	315.9	178.8	-260.9	1.05	-1.05	-0.74	
4,196.0	7.60	306.20	4,175.0	321.5	182.1	-265.4	0.57	0.51	-1.86	
4,238.0	7.51	303.20	4,216.6	327.0	185.3	-269.9	0.96	-0.21	-7.14	
4,280.0	6.98	302.11	4,258.3	332.3	188.1	-274.4	1.30	-1.26	-2.60	
4,322.0	6.72	301.40	4,300.0	337.3	190.8	-278.6	0.65	-0.62	-1.69	
4,364.0	6.58	299.90	4,341.7	342.2	193.2	-282.8	0.53	-0.33	-3.57	
4,406.0	6.50	301.71	4,383.4	346.9	195.7	-286.9	0.53	-0.19	4.31	
4,449.0	6.50	307.70	4,426.1	351.8	198.4	-290.9	1.58	0.00	13.93	
4,491.0	6.19	305.19	4,467.9	356.4	201.2	-294.6	0.99	-0.74	-5.98	
4,533.0	6.41	303.30	4,509.6	361.0	203.8	-298.4	0.72	0.52	-4.50	
4,575.0	6.19	302.03	4,551.4	365.6	206.3	-302.3	0.62	-0.52	-3.02	
4,617.0	6.10	302.11	4,593.1	370.1	208.7	-306.1	0.22	-0.21	0.19	
4,701.0	6.20	304.90	4,676.6	379.1	213.6	-313.6	0.38	0.12	3.32	
4,786.0	6.50	309.10	4,761.1	388.5	219.3	-321.1	0.65	0.35	4.94	
4,870.0	6.10	308.60	4,844.6	397.6	225.1	-328.3	0.48	-0.48	-0.60	
4,954.0	6.50	311.20	4,928.1	406.7	231.0	-335.4	0.58	0.48	3.10	
5,039.0	5.50	308.10	5,012.6	415.5	236.7	-342.2	1.24	-1.18	-3.65	
5,123.0	5.10	304.10	5,096.3	423.3	241.3	-348.5	0.65	-0.48	-4.76	
5,207.0	4.50	300.70	5,180.0	430.3	245.0	-354.4	0.79	-0.71	-4.05	
5,292.0	5.40	308.90	5,264.7	437.6	249.2	-360.4	1.34	1.06	9.65	
5,376.0	5.70	314.40	5,348.3	445.6	254.7	-366.4	0.73	0.36	6.55	



Payzone Directional

End of Well Report



Company:	Bill Barrett Corporation	Local Co-ordinate Reference:	Well FD 13-30D-2-2
Project:	Duchesne County, UT	TVD Reference:	FD 13-30D-2-2 @ 5022.0usft (Capstar 328)
Site:	SECTION 30 T2S, R2E	MD Reference:	FD 13-30D-2-2 @ 5022.0usft (Capstar 328)
Well:	FD 13-30D-2-2	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 5000.1 Single User Db

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	
5,460.0	4.68	307.00	5,431.9	453.1	259.6	-372.1	1.45	-1.21	-8.81	
5,544.0	5.48	308.50	5,515.6	460.5	264.2	-378.0	0.97	0.95	1.79	
5,629.0	5.39	302.90	5,600.2	468.5	268.9	-384.5	0.63	-0.11	-6.59	
5,707.0	5.40	301.30	5,677.9	475.8	272.8	-390.8	0.19	0.01	-2.05	
5,791.0	6.70	306.80	5,761.4	484.7	277.8	-398.1	1.69	1.55	6.55	
5,876.0	7.00	306.40	5,845.8	494.8	283.8	-406.2	0.36	0.35	-0.47	
5,960.0	6.81	305.50	5,929.2	504.8	289.7	-414.4	0.26	-0.23	-1.07	
6,044.0	6.89	309.90	6,012.6	514.8	295.9	-422.3	0.63	0.10	5.24	
6,129.0	5.90	314.00	6,097.1	524.1	302.2	-429.3	1.28	-1.16	4.82	
6,213.0	5.70	309.60	6,180.6	532.5	307.8	-435.7	0.58	-0.24	-5.24	
6,297.0	4.82	290.12	6,264.3	540.1	311.7	-442.2	2.35	-1.05	-23.19	
6,382.0	5.39	296.20	6,349.0	547.5	314.7	-449.1	0.92	0.67	7.15	
6,466.0	6.50	301.23	6,432.5	556.2	318.9	-456.7	1.46	1.32	5.99	
6,551.0	6.60	305.60	6,516.9	565.9	324.2	-464.8	0.60	0.12	5.14	
6,635.0	5.90	301.90	6,600.4	575.0	329.3	-472.4	0.96	-0.83	-4.40	
6,719.0	5.60	305.30	6,684.0	583.4	334.0	-479.4	0.54	-0.36	4.05	
6,804.0	6.20	311.90	6,768.6	592.1	339.4	-486.2	1.06	0.71	7.76	
6,888.0	6.60	309.10	6,852.1	601.3	345.5	-493.3	0.60	0.48	-3.33	
6,973.0	7.29	311.50	6,936.4	611.5	352.2	-501.2	0.88	0.81	2.82	
7,057.0	6.58	307.79	7,019.8	621.5	358.7	-509.0	1.00	-0.85	-4.42	
7,141.0	6.41	300.40	7,103.3	631.0	364.0	-516.8	1.01	-0.20	-8.80	
7,226.0	6.72	303.12	7,187.7	640.7	369.1	-525.1	0.52	0.36	3.20	
7,310.0	7.11	302.90	7,271.1	650.8	374.6	-533.6	0.47	0.46	-0.26	
7,394.0	6.10	300.90	7,354.5	660.5	379.7	-541.8	1.23	-1.20	-2.38	
7,479.0	5.08	291.90	7,439.1	668.7	383.4	-549.1	1.58	-1.20	-10.59	
7,563.0	4.30	283.30	7,522.9	675.4	385.6	-555.6	1.25	-0.93	-10.24	
7,648.0	3.09	270.40	7,607.7	680.4	386.3	-561.0	1.72	-1.42	-15.18	



Payzone Directional

End of Well Report



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Project:	Duchesne County, UT	TVD Reference:	FD 13-30D-2-2 @ 5022.0usft (Capstar 328)
Site:	SECTION 30 T2S, R2E	MD Reference:	FD 13-30D-2-2 @ 5022.0usft (Capstar 328)
Well:	FD 13-30D-2-2	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 5000.1 Single User Db

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	
7,732.0	2.50	267.30	7,691.6	683.8	386.2	-565.1	0.72	-0.70	-3.69	
7,816.0	2.12	254.03	7,775.5	686.4	385.7	-568.4	0.78	-0.45	-15.80	
7,900.0	1.59	232.80	7,859.5	687.8	384.6	-570.9	1.02	-0.63	-25.27	
7,985.0	1.40	220.63	7,944.4	688.4	383.1	-572.5	0.43	-0.22	-14.32	
8,069.0	1.50	201.81	8,028.4	688.4	381.3	-573.6	0.58	0.12	-22.40	
8,153.0	1.10	187.80	8,112.4	687.9	379.5	-574.1	0.60	-0.48	-16.68	
8,237.0	1.28	171.70	8,196.4	686.9	377.7	-574.1	0.45	0.21	-19.17	
8,322.0	1.50	161.50	8,281.4	685.5	375.7	-573.6	0.39	0.26	-12.00	
8,406.0	1.59	156.29	8,365.3	683.6	373.6	-572.7	0.20	0.11	-6.20	
8,490.0	1.59	159.90	8,449.3	681.8	371.5	-571.9	0.12	0.00	4.30	
8,575.0	1.59	152.60	8,534.3	679.8	369.3	-570.9	0.24	0.00	-8.59	
8,659.0	1.90	157.30	8,618.2	677.7	367.0	-569.9	0.41	0.37	5.60	
8,743.0	1.90	151.30	8,702.2	675.4	364.5	-568.6	0.24	0.00	-7.14	
8,827.0	1.80	153.70	8,786.1	673.0	362.1	-567.4	0.15	-0.12	2.86	
8,912.0	1.68	144.00	8,871.1	670.7	359.9	-566.1	0.37	-0.14	-11.41	
8,996.0	1.50	143.80	8,955.1	668.6	358.0	-564.7	0.21	-0.21	-0.24	
9,080.0	1.81	146.10	9,039.0	666.4	356.0	-563.3	0.38	0.37	2.74	
9,164.0	1.81	151.62	9,123.0	664.0	353.7	-561.9	0.21	0.00	6.57	
9,248.0	1.81	147.80	9,206.9	661.7	351.5	-560.6	0.14	0.00	-4.55	
9,333.0	1.80	160.00	9,291.9	659.4	349.1	-559.4	0.45	-0.01	14.35	
9,417.0	1.68	159.60	9,375.9	657.4	346.7	-558.5	0.14	-0.14	-0.48	
9,463.0	1.68	159.60	9,421.8	656.3	345.4	-558.1	0.00	0.00	0.00	

Checked By: _____ Approved By: _____ Date: _____

Sundry Number: 49449 API Well Number: 43047541070000

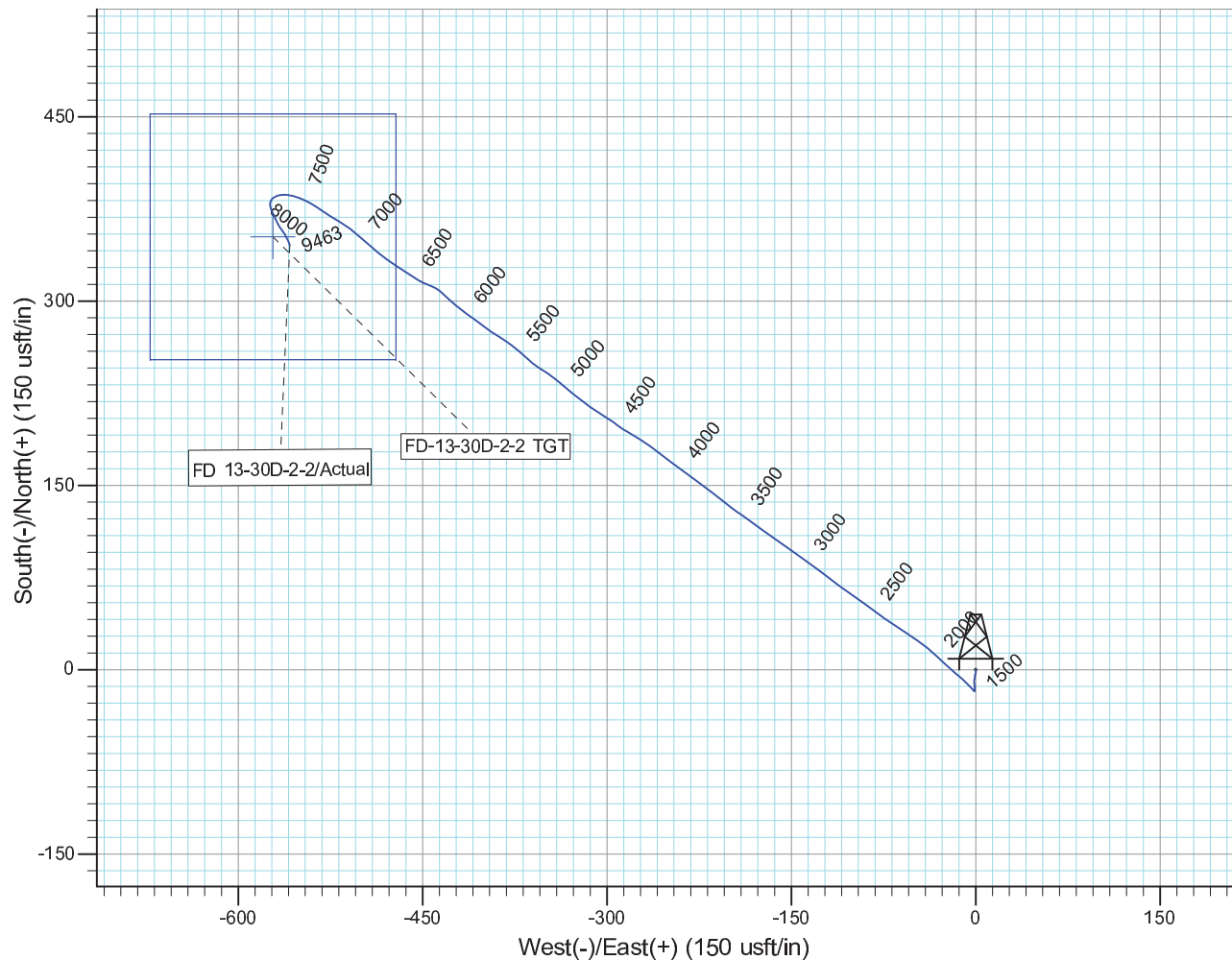
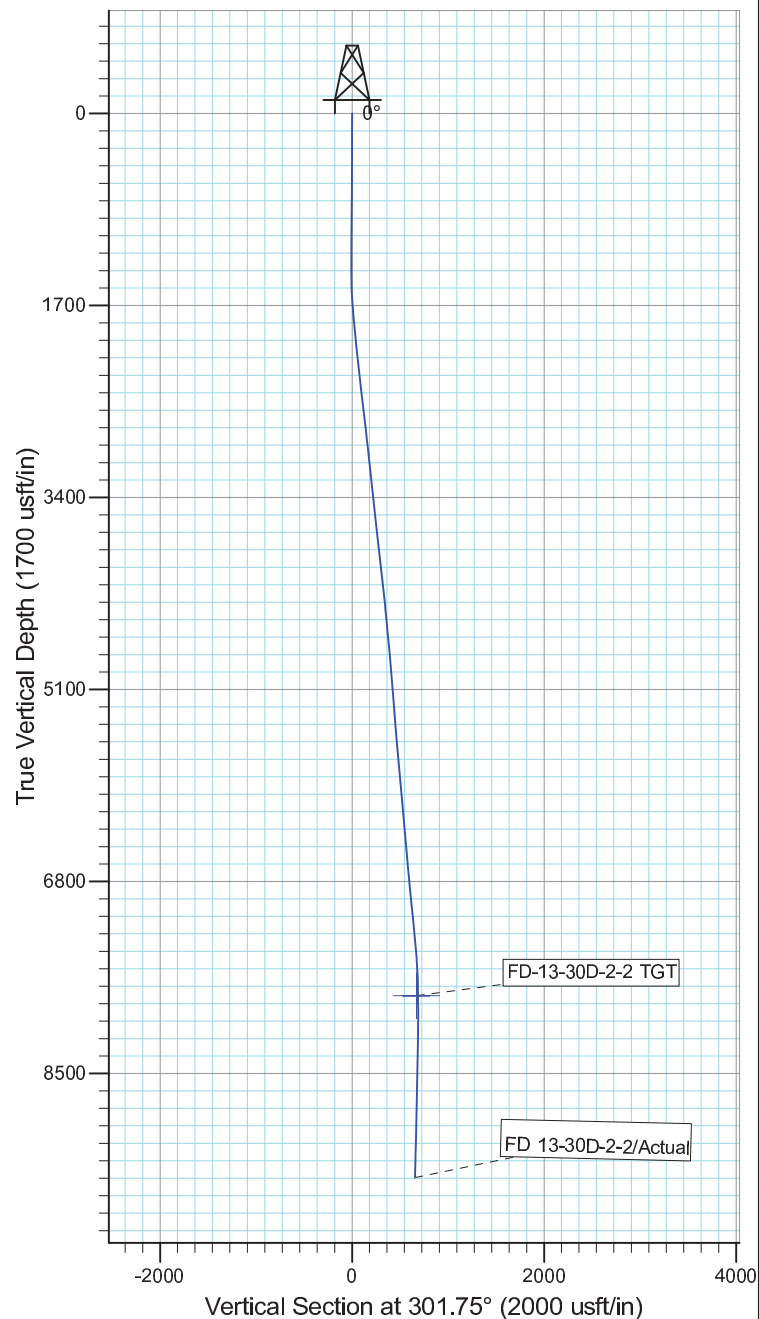


Project: Duchesne County, UT
Site: SECTION 30 T2S, R2E
Well: FD 13-30D-2-2
Wellbore: Wellbore #1
Design: Actual



Azimuths to True North
Magnetic North: 10.91°

Magnetic Field
Strength: 52176.5nT
Dip Angle: 65.96°
Date: 1/16/2014
Model: IGRF2010



Design: Actual (FD 13-30D-2-2/Wellbore #1)

Created By: Matthew Linton

Date: 8:24, February 04 2014

THIS SURVEY IS CORRECT TO THE BEST OF
MY KNOWLEDGE AND IS SUPPORTED
BY ACTUAL FIELD DATA

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: fee
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: FD 13-30D-2-2	
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43047541070000	
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8134 Ext	9. FIELD and POOL or WILDCAT: MOFFAT CANAL
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0450 FSL 1380 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 30 Township: 02.0S Range: 02.0E Meridian: U	COUNTY: UINTAH	
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: INTERIM REC COMPLETED
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 6/19/2014			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

INTERIM RECLAMATION WAS COMPLETED ON 6/19/2014 AND THE PIT
WAS CLOSED ON 2/21/2014

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
January 09, 2015

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A		DATE 1/6/2015